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ABSTRACT

These three separate studies of students at El Camino College (California) discuss their majors, perceptions of academic relevancy, and grade point characteristics. Sub-groups of students (freshman/sophomore, full-time/part-time) are compared according to their major divisions (physical sciences, fine arts, natural sciences, etc.) and also according to their major area. The second study consists of the results of a rating by 70 students of the relevancy of 40 items about personal and college situations. A "rewarding and worthwhile profession," was the item selected by students as most relevant. In the final study students are grouped according to their major and ranked according to the number of students graduating, average total units, and grade point average. (RN)

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AN ANALYSIS OF EL CAMINO COLLEGE STUDENTS ACCORDING TO THEIR MAJORS, PERCEPTIONS OF ACADEMIC RELEVANCY, AND UNIT AND GRADE POINT CHARACTERISTICS

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1972

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AN ANALYSIS OF ALLEGED MAJORS INDICATED BY STUDENTS AT EL CAMINO COLLEGE FALL, 1971

EL CAMINO COLLEGE

OIR 72-1

January 31, 1972

OFFICE OF RESEARCH

DR. JERRY C. GARLOCK

AN ANALYSIS OF ALLEGED MAJORS
INDICATED BY STUDENTS AT EL CAMINO COLLEGE, FALL, 1971

Annually, the admissions office at El Camino College publishes a list of majors according to student designation by freshman, sophomore, others, part-time, and full-time students. These reports are produced by Robert Poe under the direction of Leo Christian. They provide excellent data for consumers throughout the campus.

For the year 1971, these data have been analyzed more extensively and are presented in a form that improves the digestion of these data and assists decision-makers in providing meaningful knowledge in educational planning. Eighty-four majors were identified for the fall of 1971. Three other major categories were used: the undeclared, the high school completion, and high school students taking college courses. Of the 22,067 students enrolled, 8,344 or 37.8 per cent had majors in four categories that could not be identified in the 11 divisions of the college. These four categories include: the other, high school completion, high school students, and liberal arts designations.

Table 1 presents the number of students designating majors in various divisions. Physical Sciences have 175 majors, Physical Education 312. The two largest divisions of Natural Sciences and Business have 2,889 and 3,410 majors, respectively. Table 1 graphically indicates the number of students in each major. The data from Table 1 are divided into three groups, Freshman, Sophomore, and Other Than Freshman and Sophomore, and

presented in Tables 2, 3, and 4. It is seen that the sequence of major size as shown in Table 1, generally, is similar to those of Table 2, 3, and 4 but with some exceptions.

The curve of Freshman majors in Table 2 appears to be considerably different from Table 3. However, the reader is reminded that the scales of the two tables are different and that comparisons are more appropriately made within a table than between tables. Aware of this consideration, the reader can identify differences that do exist. It is seen that in Table 3 the number of students in the Other category is less than the number of students designating the Business category. The reverse is true to a large degree in Table 2. It is interesting that in Table 4 those students who represent the Other Than Freshman and Sophomores have a sizeable proportion identified in major categories other than one of the eleven divisions.

Table 5 indicates the number of full-time students designating majors in the various divisions. Certain shifts in the rank of major divisions are apparent. The number of Natural Science majors exceeds the number of Business majors when considering full-time students only. Other shifts in rankings are apparent.

Table 6 indicates the distribution of part-time students designating majors in the various eleven divisions. A comparison of Tables 5 and 6 reveals shifts in majors of full- and part-time students.

Tables 7 through 11 translate the data in the previous tables into percentages. These percentages are based upon the number of students of each division category. The 40 per cent of freshman students in Physical Sciences represents the 70 freshman students enrolled in Physical Sciences as seen in Table 2 divided by the 175 total number of students enrolled

in Physical Sciences. From Figure 7, the 40 per cent value in Physical Sciences may be compared with the other extreme of 62.7 per cent freshman students in the Communications division. Categorically, it is seen that the four divisions of Physical Sciences, Math and Engineering, Social Sciences, and Behavioral Sciences have less than 50 per cent freshman students. All other divisions have more than 50 per cent of their majors as freshman students.

A reverse situation is seen in Table 8. Only Social Sciences have more than 50 per cent of their students as sophomore students.

Table 9 represents a fairly homogeneous array of other than freshman and sophomore students designating major categories. All majors have less than ten per cent of their students in these categories with the exception of Math and Engineering and Physical Sciences.

Table 10 represents the per cent of full-time students according to the eleven divisions. The four divisions of Behavioral Sciences, Physical Sciences, Social Sciences, and Physical Education have more than half of their students as full-time students. All other divisions have less than half of their students as full-time students.

Table 11 shows the per cent of part-time students designating various majors.

The remaining tables, 12 through 19, present numerically and graphically the distribution by specific major. The format of these tables is similar to those of the previous tables and are generally to be employed for more definitive analyses. Educational planners in general, and curriculum planners in specific, in terms of individuals and groups are recommended to analyze these tables in detail.

Table 1

NUMBER OF STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

MAJORS IN DIVISIONS	
PHYSICAL SCIENCES	175
PHYSICAL EDUCATION	312
COMMUNICATIONS	416
HUMANITIES	527
MATH & ENGR	598
SOCIAL SCIENCES	666
BEHAVIORAL SCIENCES	1157
FINE ARTS	1309
INDUSTRY & TECH	2264
NATURAL SCIENCES	2889
BUSINESS	3410
OTHER	8344
TOTAL	22067

Table 2

NUMBER OF FRESHMAN STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

MAJORS IN DIVISIONS	
PHYSICAL SCIENCES	70
PHYSICAL EDUCATION	185
MATH & ENGR	241
COMMUNICATIONS	261
HUMANITIES	270
SOCIAL SCIENCES	292
BEHAVIORAL SCIENCES	550
FINE ARTS	811
INDUSTRY & TECH	1320
NATURAL SCIENCES	1797
BUSINESS	1888
OTHER	6612
TOTAL	14297

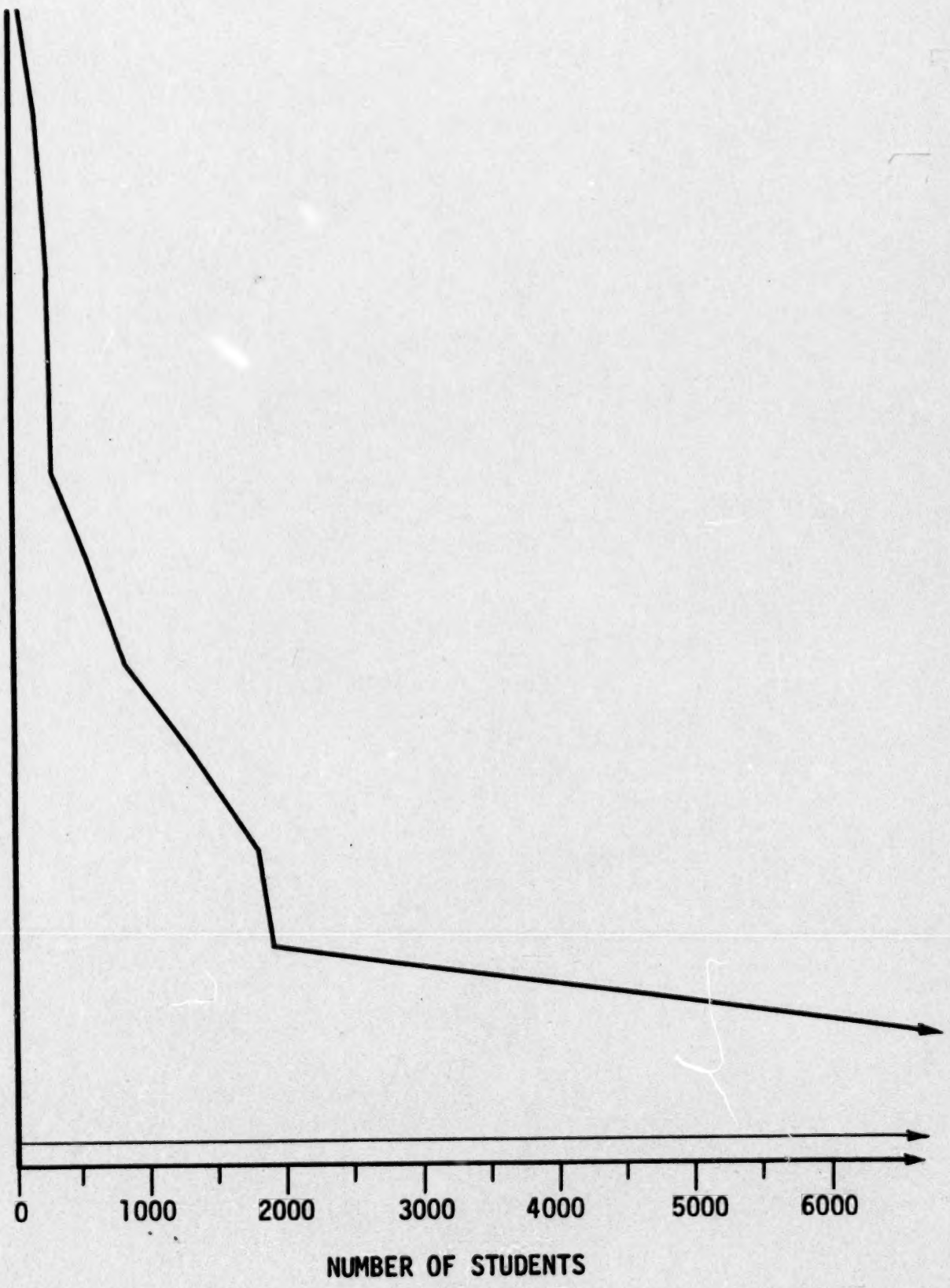


Table 3

NUMBER OF SOPHOMORE STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

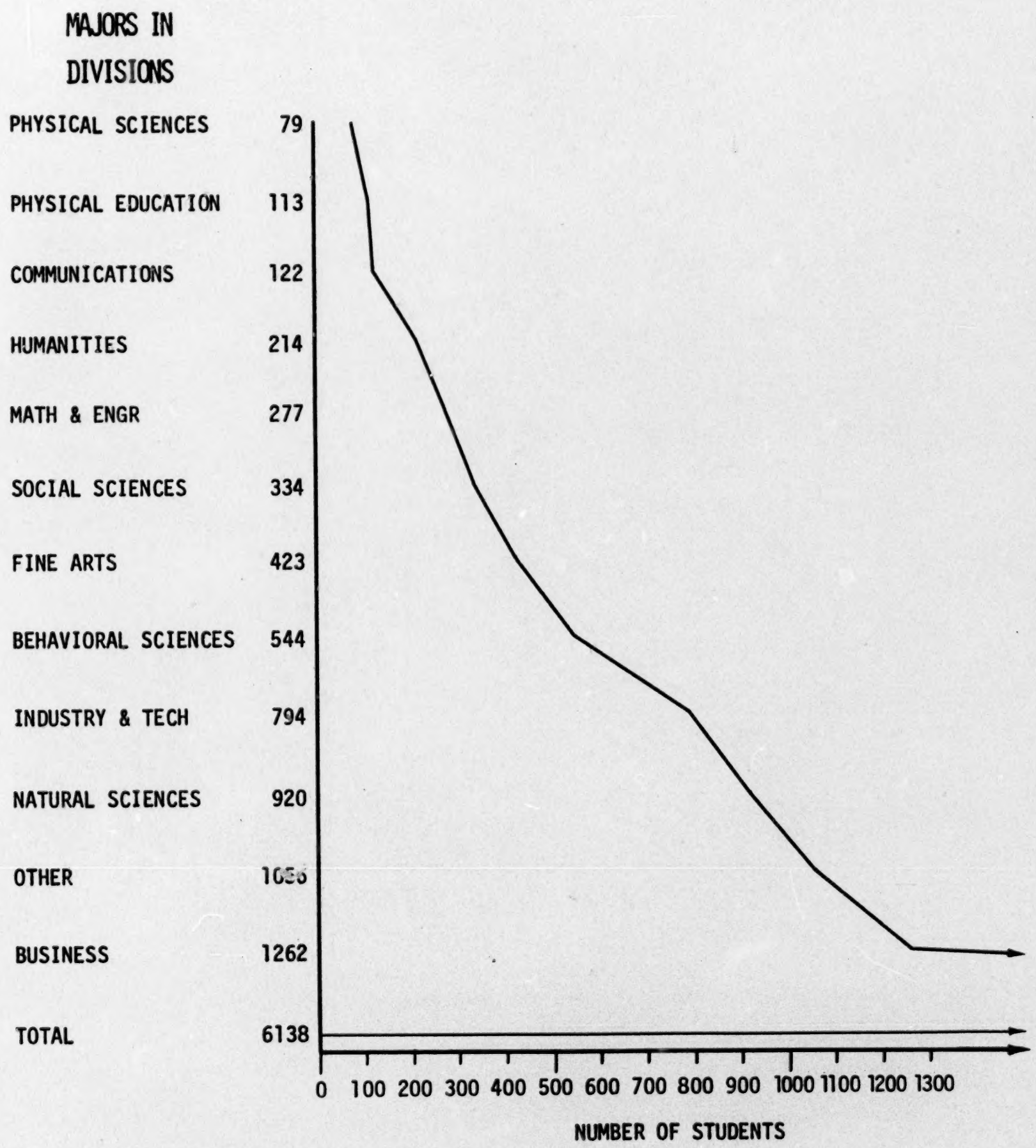


Table 4

NUMBER OF OTHER THAN FRESHMAN AND SOPHOMORE STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

MAJORS IN DIVISIONS	
PHYSICAL EDUCATION	14
PHYSICAL SCIENCES	26
COMMUNICATIONS	33
SOCIAL SCIENCES	40
HUMANITIES	43
BEHAVIORAL SCIENCES	63
FINE ARTS	75
MATH & ENGR	80
INDUSTRY & TECH	150
NATURAL SCIENCES	172
BUSINESS	260
OTHER	676
TOTAL	1632

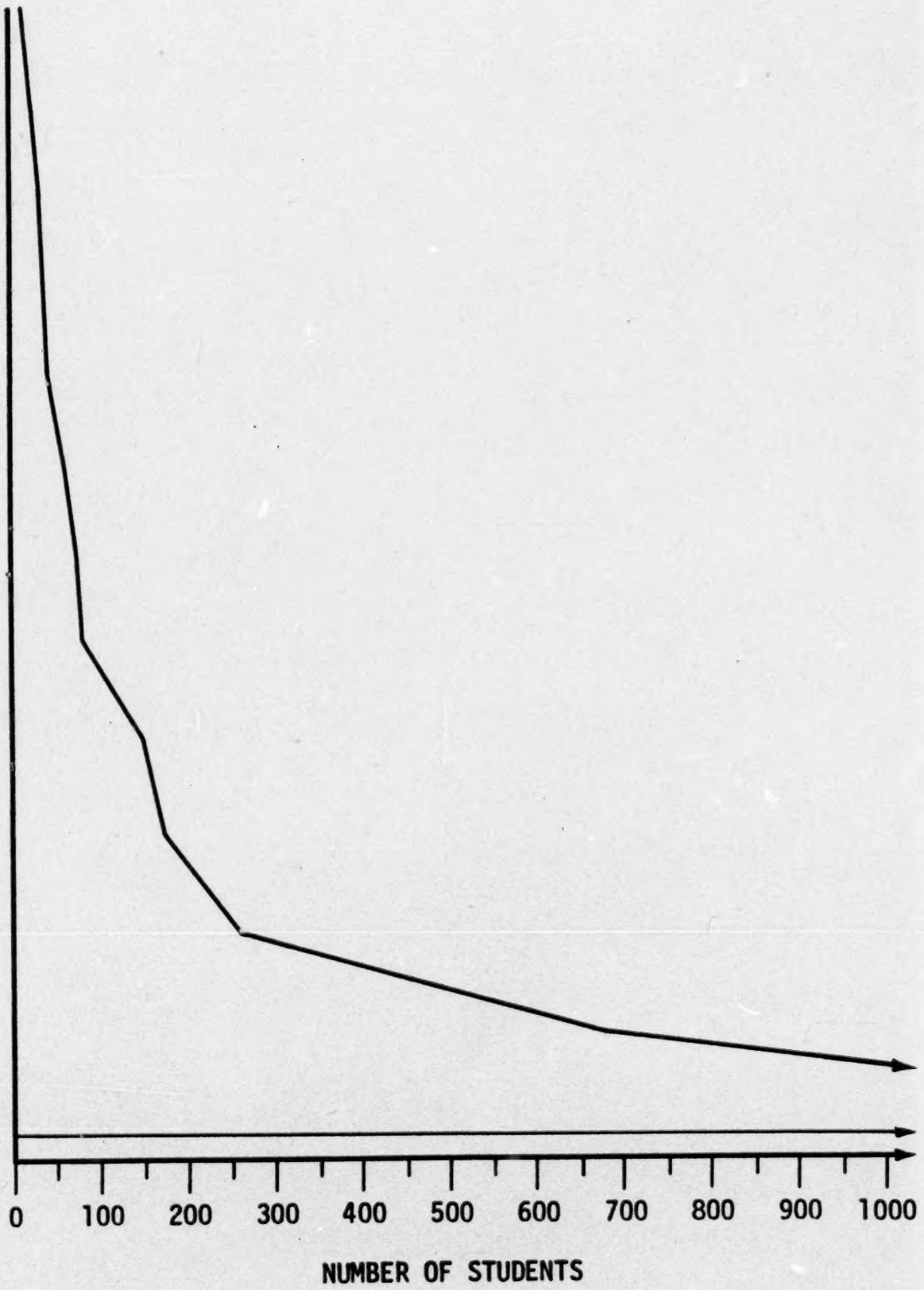


Table 5

NUMBER OF FULL-TIME STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

MAJORS IN DIVISIONS	
PHYSICAL SCIENCES	92
COMMUNICATIONS	200
PHYSICAL EDUCATION	201
MATH & ENGR	241
HUMANITIES	243
SOCIAL SCIENCES	384
FINE ARTS	574
BEHAVIORAL SCIENCES	608
INDUSTRY & TECH	763
BUSINESS	1256
NATURAL SCIENCES	1428
OTHER	2080
TOTAL	8070

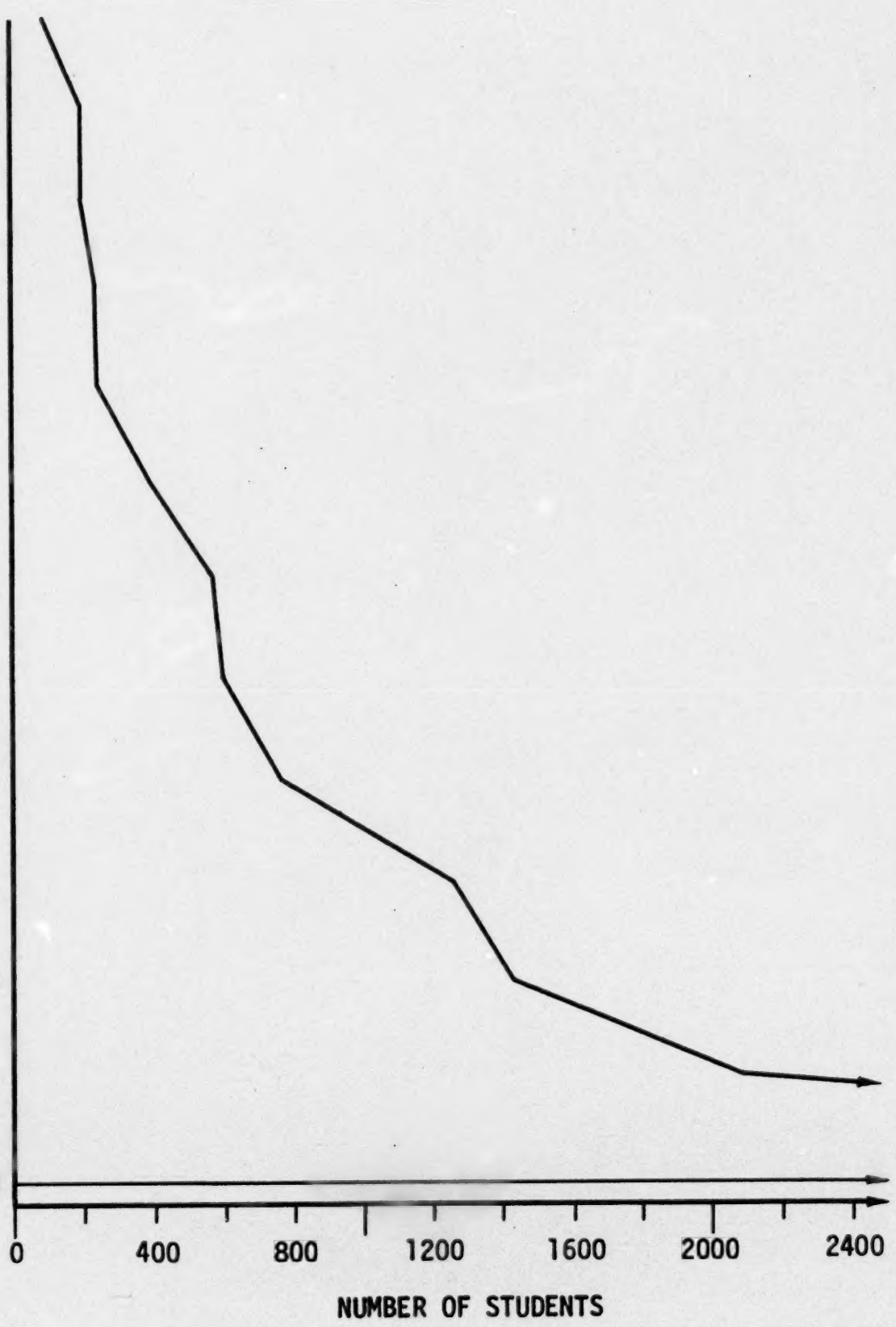


Table 6

NUMBER OF PART-TIME STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

MAJORS IN DIVISIONS	
PHYSICAL SCIENCES	83
PHYSICAL EDUCATION	111
COMMUNICATIONS	216
SOCIAL SCIENCES	282
HUMANITIES	284
MATH & ENGR	357
BEHAVIORAL SCIENCES	549
FINE ARTS	735
NATURAL SCIENCES	1461
INDUSTRY & TECH	1501
BUSINESS	2154
OTHER	6264
TOTAL	13997

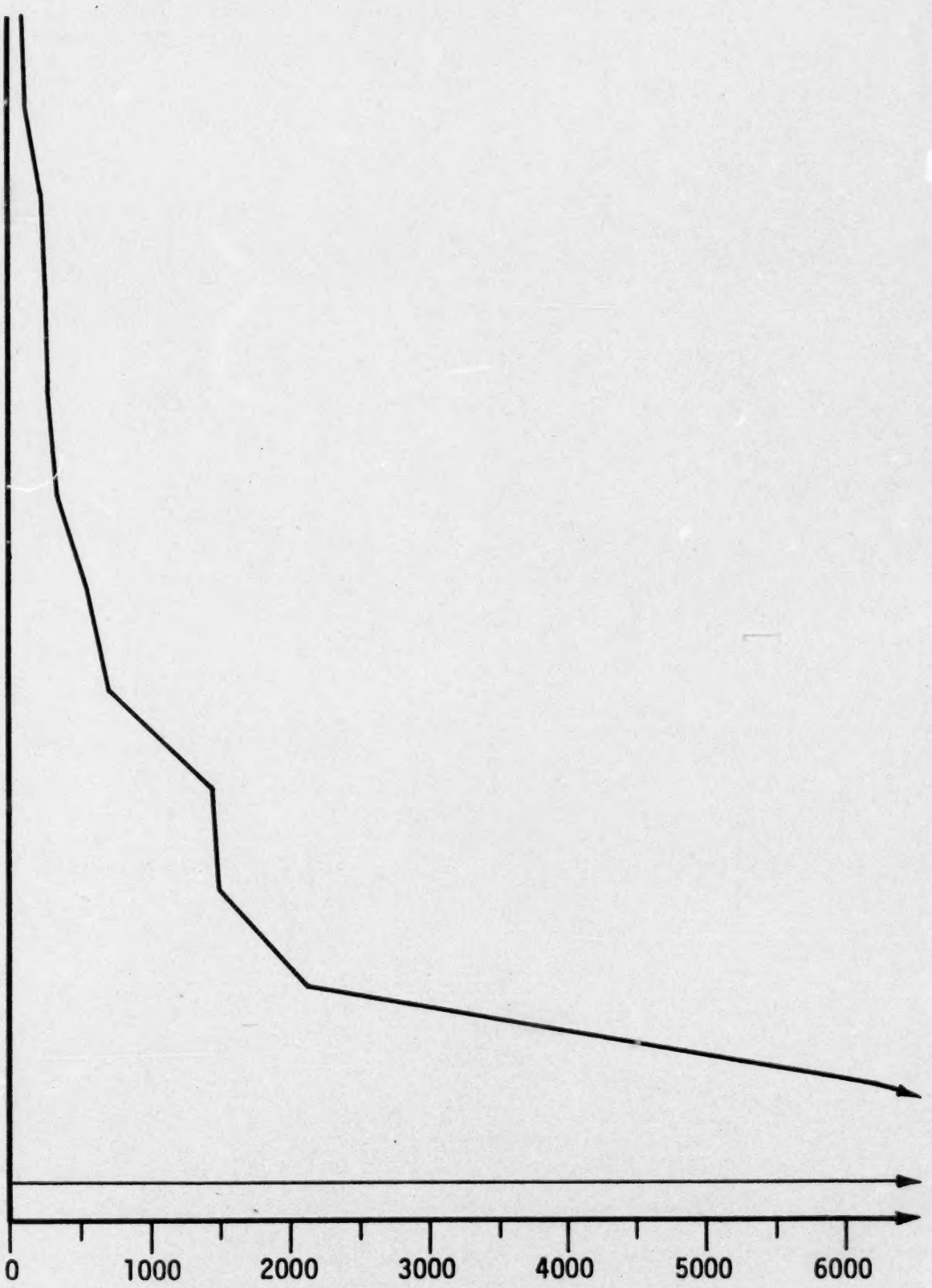


Table 7

PER CENT OF FRESHMAN STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

MAJORS IN DIVISIONS	
PHYSICAL SCIENCES	40.0
MATH & ENGR	40.3
SOCIAL SCIENCES	43.8
BEHAVIORAL SCIENCES	47.5
HUMANITIES	51.2
BUSINESS	55.4
INDUSTRY & TECH	58.3
PHYSICAL EDUCATION	59.3
FINE ARTS	62.0
NATURAL SCIENCES	62.2
COMMUNICATIONS	62.7
TOTAL	64.8
OTHER	79.2

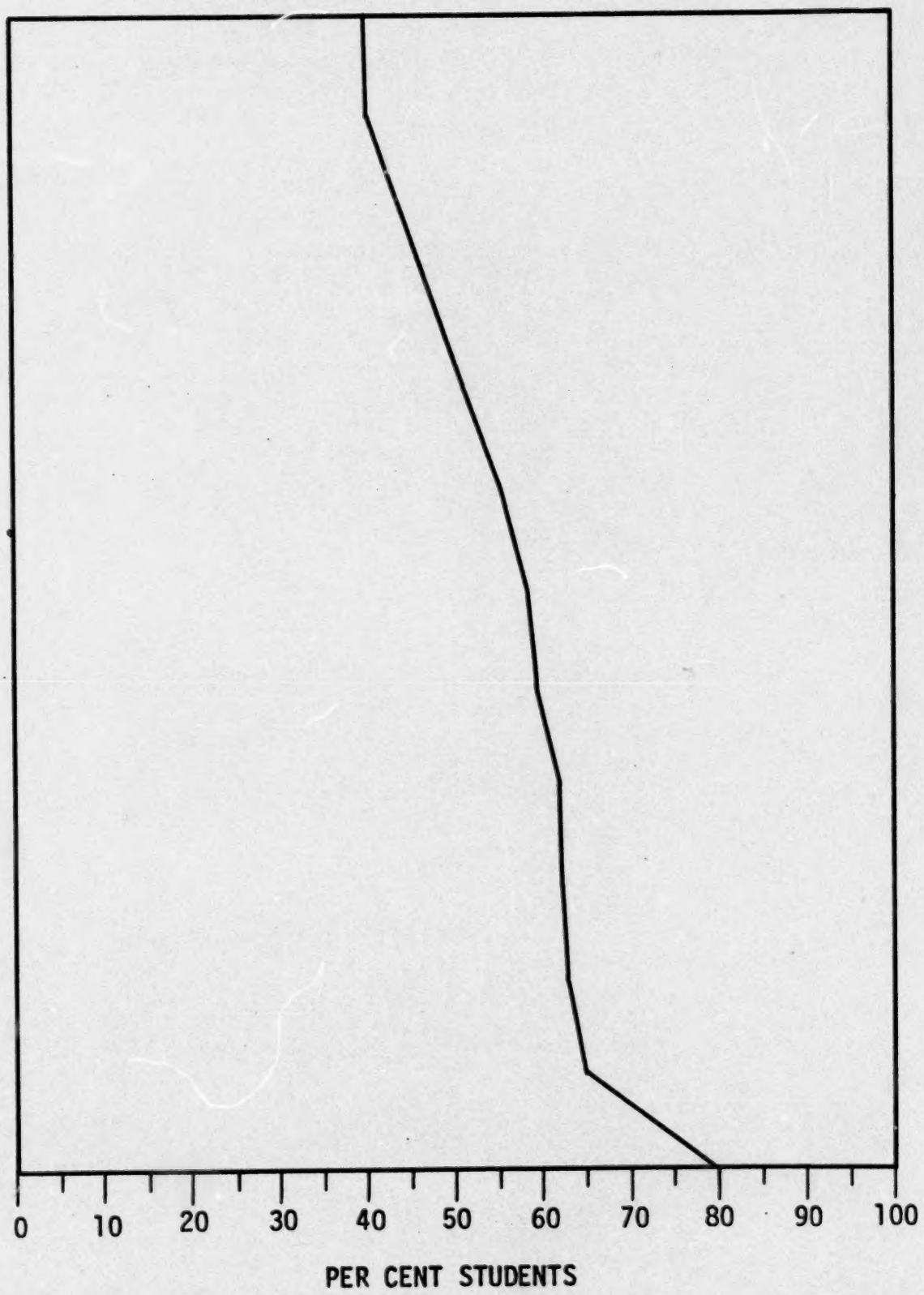


Table 8

PER CENT OF SOPHOMORE STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

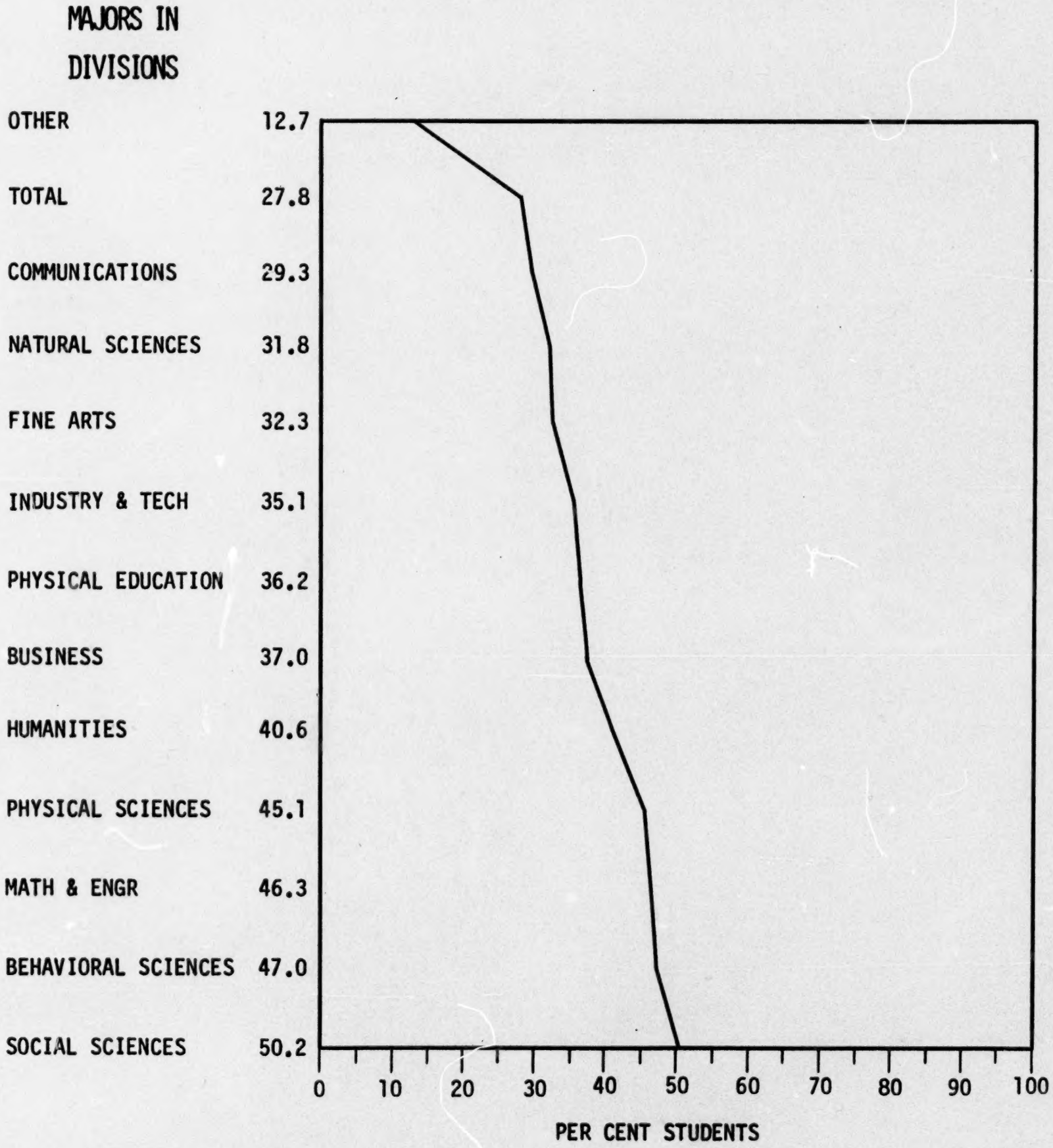


Table 9

PER CENT OTHER THAN FRESHMAN AND SOPHOMORE STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

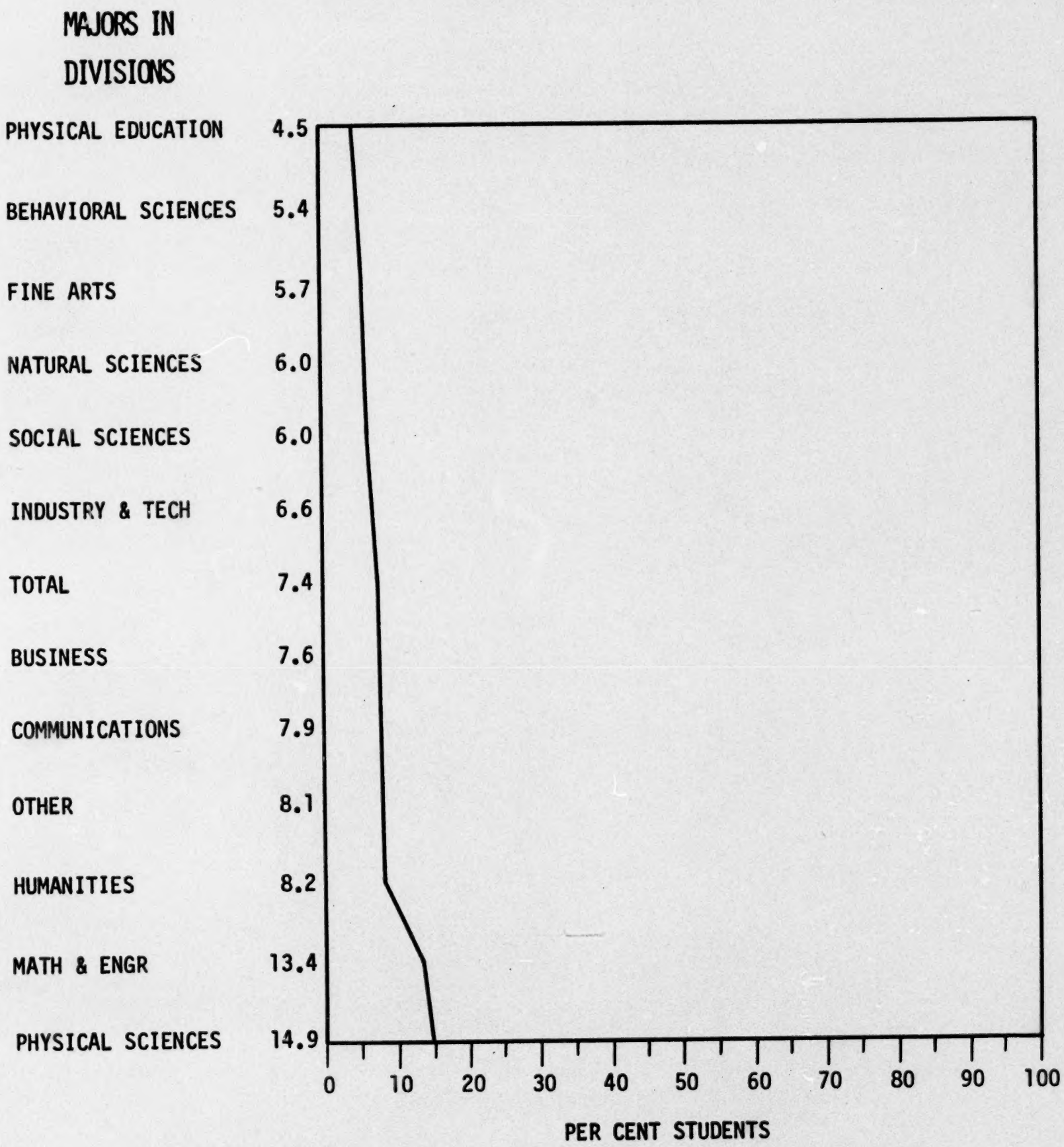


Table 10

PER CENT FULL-TIME STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

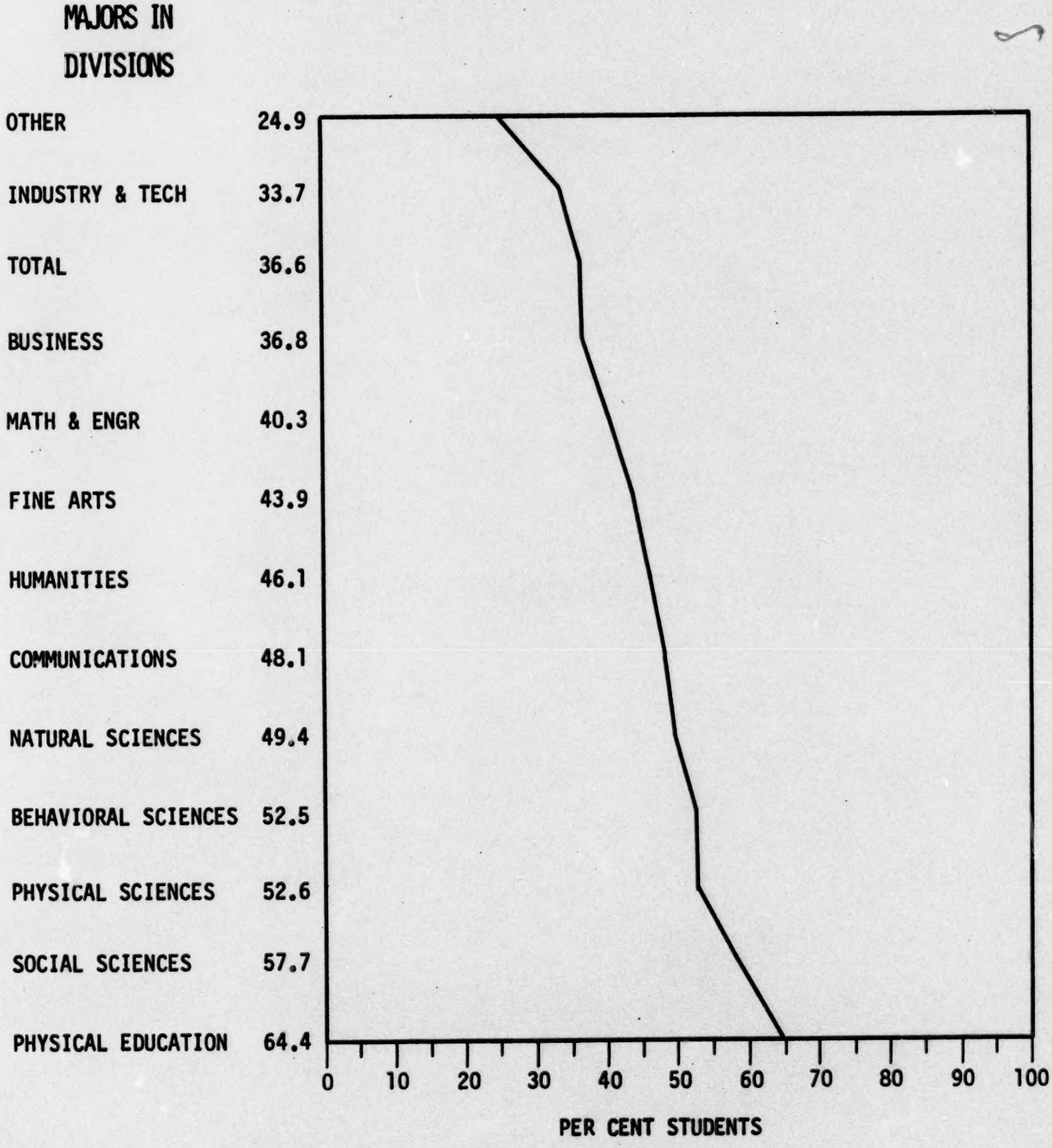


Table 11

PER CENT PART-TIME STUDENTS DESIGNATING MAJORS IN VARIOUS DIVISIONS AT EL CAMINO COLLEGE IN RANK ORDER

Fall 1971

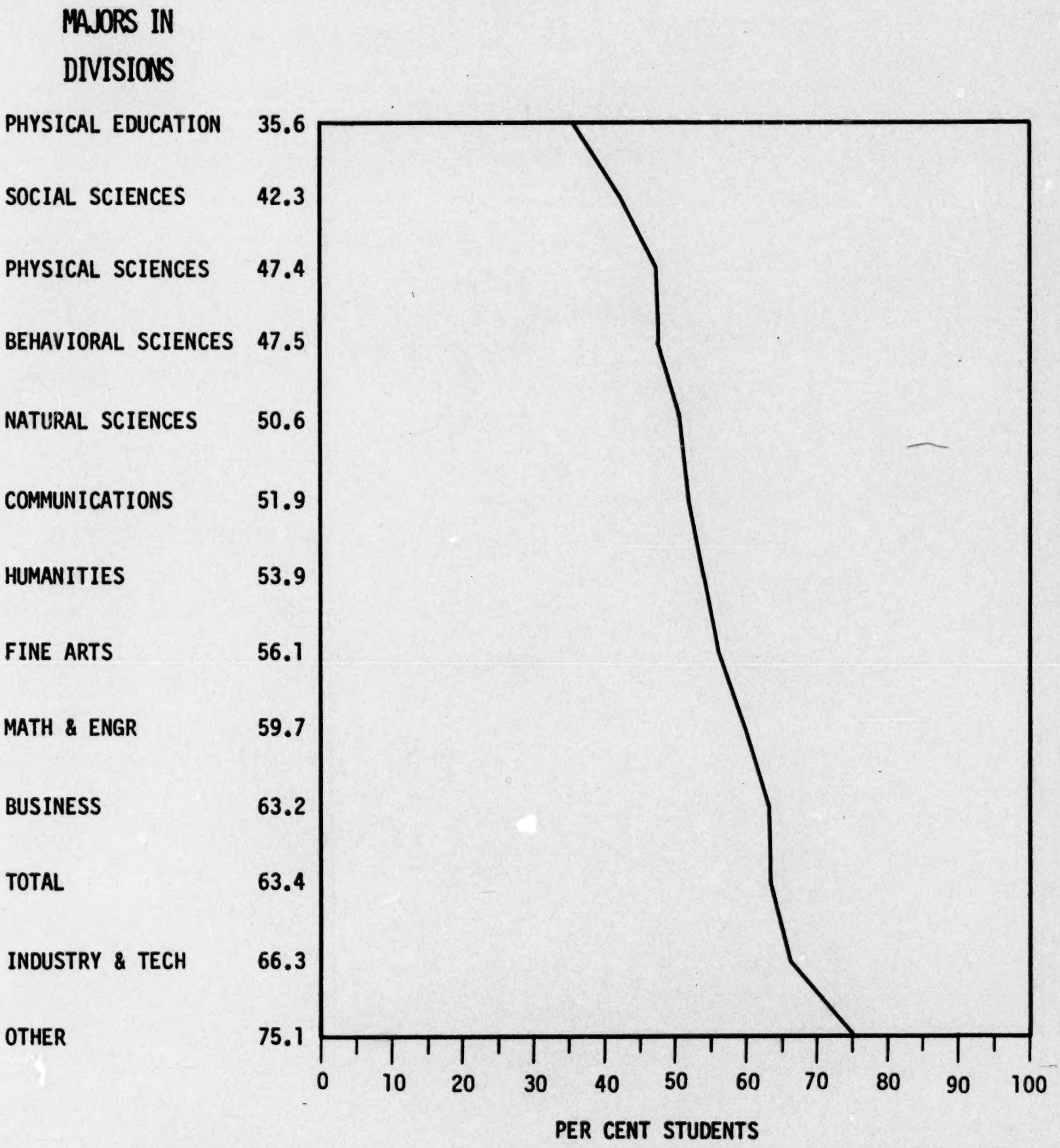


Table 12

PER CENT FRESHMAN STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

MAJOR	
LOCAL GOVERNMENT CAREERS	25.0
ECONOMICS	26.8
GEOLOGY	28.6
SOCIAL WELFARE	30.4
ZOOLOGY	32.8
ANTHROPOLOGY	32.9
ENGINEERING	33.3
INDUSTRIAL TECHNOLOGY	35.4
GEOGRAPHY	37.9
HISTORY	40.6
CHEMISTRY	40.8
INDUSTRIAL ARTS	42.5
BACTERIOLOGY-MICROBIOLOGY	42.9
PHARMACY	44.1
MARKETING	44.3
SPEECH ARTS	44.8
SOCIOLOGY	45.3
LABORATORY TECH. (MEDICAL)	45.5
OPTOMETRY	46.7
PHYSICAL THERAPY	46.8
POLITICAL SCIENCE	48.3
PHYSICS	50.0
PHILOSOPHY	50.0
MATHEMATICS	50.4
BIOLOGY	50.9
ENGLISH	51.4
SOCIAL WELFARE TECHNICIAN	51.6
PSYCHOLOGY	51.6
PRODUCTION TECHNOLOGY	52.4
NURSING, UNIVERSITY TRANS.	52.4
METALLURGY	52.6
LIBERAL ARTS	52.6
BUSINESS ADMINISTRATION	53.3
REAL ESTATE	53.7
ELECTRONICS	54.4
MACHINE SHOP	55.6
BOTANY	55.9
ACCOUNTING (NON-TRANSFER)	56.0
DRAFTING	56.3
FOREIGN LANGUAGE	57.0
THEATRE ARTS	57.0
POLICE SCIENCE (PEACE OF)	57.2
BUSINESS MGMT. (NON-TRANS)	58.1
RESPIRATORY THERAPY	58.5
NURSING, EL CAMINO R.N.	58.5
INDUSTRIAL DESIGN	58.8
BUSINESS EDUCATION (TEACH)	58.9
PHYSICAL EDUCATION	59.3
RECREATION	59.3
ELE. & EARLY CHILD TEACH.	59.7
DATA PROCESSING	60.0
ART	62.1
QUALITY CONTROL	62.7
LAW	63.7
JOURNALISM	63.8
RADIOLOGIC TECH. (X-RAY)	64.8
CONSTRUCTION TECHNOLOGY	65.2
MEDICINE	65.6
ARCHITECTURE	65.8
DENTISTRY	66.0
CLERICAL	66.7
ESCROW	66.7
MUSIC	66.8
PHOTOGRAPHY	67.3
SECRETARIAL	70.0
AMERICAN STUDIES	70.0
SUPERVISION	71.3
AIR CONDITIONING & REFRIG.	72.0
FASHION DESIGN COORDINATION	72.2
HOME ECONOMICS	72.3
FORESTRY	74.4
MEDICAL ASSISTANT	74.7
POWER SEWING	75.0
VETERINARY MEDICINE	75.5
COSMETOLOGY	75.7
DENTAL HYGIENE	76.5
AUTO BODY & FENDER	77.4
AUTO MECHANICS	77.4
UNDECLARED	79.2
INTERIOR DESIGN ASSISTANT	79.3
WELDING	80.4
AUTOMOTIVE TECHNOLOGY	83.3
NURSING, LICENSED VOC.	85.0
FOOD SERVICES TECHNICIAN	85.7
AIRLINE STEWARDESS	89.1
HIGH SCHOOL COMPLETION	100.0
H.S. STUDENTS, COL. ENROL.	100.0

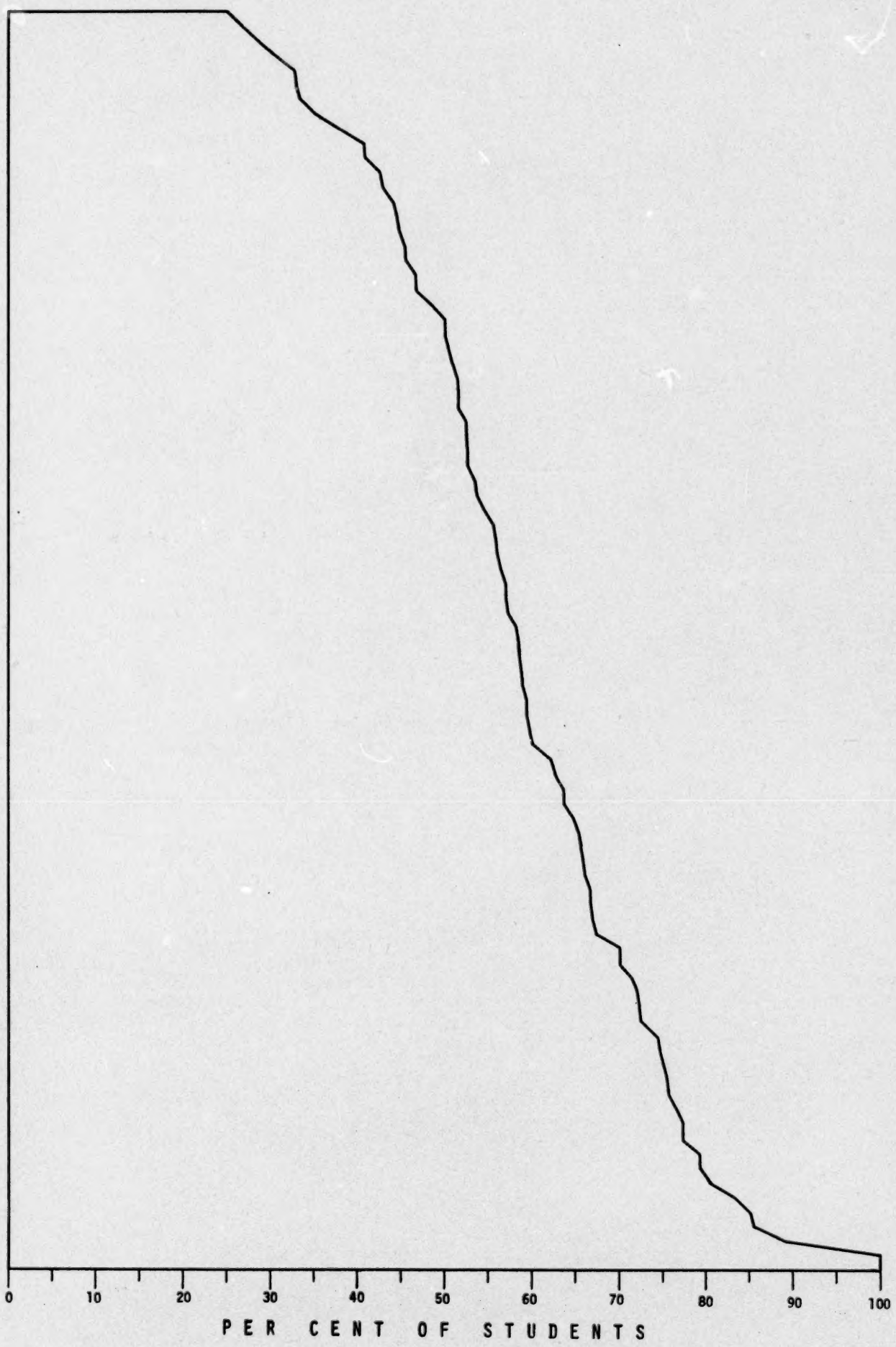


Table 13

PER CENT SOPHOMORE STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

MAJOR	
HIGH SCHOOL COMPLETION	0.0
H.S. STUDENTS, COL. ENROL.	0.0
POWER SEWING	0.0
AIRLINE STEWARDESS	10.9
AUTOMOTIVE TECHNOLOGY	11.1
NURSING, LICENSED VOC.	11.2
UNDECLARED	12.6
FOOD SERVICES TECHNICIAN	14.3
INTERIOR DESIGN ASSISTANT	15.5
WELDING	16.1
AUTO BODY & FENDER	16.1
AUTO MECHANICS	16.7
MEDICAL ASSISTANT	18.9
SUPERVISION	20.7
DENTAL HYGIENE	22.2
FASHION DESIGN COORDINATION	22.2
VETERINARY MEDICINE	22.6
COSMETOLOGY	23.0
FORESTRY	24.0
AIR CONDITIONING & REFRIG.	24.0
HOME ECONOMICS	24.5
SECRETARIAL	24.5
AMERICAN STUDIES	25.0
REAL ESTATE	26.8
PHOTOGRAPHY	28.1
MUSIC	29.4
INDUSTRIAL DESIGN	29.4
ARCHITECTURE	29.7
RADIOLOGIC TECH. (X-RAY)	29.7
FOREIGN LANGUAGE	29.8
DENTISTRY	30.0
MEDICINE	30.0
CONSTRUCTION TECHNOLOGY	30.4
JOURNALISM	30.9
ART	31.3
LAW	31.4
BUSINESS EDUCATION (TEACH)	32.1
RESPIRATORY THERAPY	32.1
BOTANY	32.4
CLERICAL	33.3
ESCROW	33.3
DATA PROCESSING	33.4
ELE. & EARLY CHILD TEACH.	33.5
NURSING, EL CAMINO R.N.	34.1
QUALITY CONTROL	35.3
ACCOUNTING (NON-TRANSFER)	35.5
PHYSICAL EDUCATION	36.0
RECREATION	37.0
BUSINESS MGMT. (NON-TRANS)	37.9
ELECTRONICS	38.0
PRODUCTION TECHNOLOGY	38.1
THEATRE ARTS	38.4
POLICE SCIENCE (PEACE OF)	38.7
DRAFTING	38.9
CHEMISTRY	39.4
BUSINESS ADMINISTRATION	39.5
PHYSICS	40.0
NURSING, UNIVERSITY TRANS.	40.2
MATHEMATICS	40.2
ENGLISH	40.4
INDUSTRIAL TECHNOLOGY	40.5
BIOLOGY	40.8
SOCIAL WELFARE TECHNICIAN	41.9
METALLURGY	42.1
PHILOSOPHY	42.3
PHYSICAL THERAPY	43.5
PSYCHOLOGY	44.2
MACHINE SHOP	44.4
LIBERAL ARTS	44.7
MARKETING	45.6
SPEECH ARTS	46.6
OPTOMETRY	46.7
POLITICAL SCIENCE	47.9
SOCIOLOGY	48.2
BACTERIOLOGY-MICROBIOLOGY	50.0
INDUSTRIAL ARTS	50.3
ENGINEERING	50.6
PHARMACY	50.8
GEOGRAPHY	51.7
HISTORY	52.2
LABORATORY TECH. (MEDICAL)	54.5
SOCIAL WELFARE	56.5
GEOLOGY	57.1
ZOOLOGY	57.8
ECONOMICS	59.8
ANTHROPOLOGY	60.0
LOCAL GOVERNMENT CAREERS	75.0

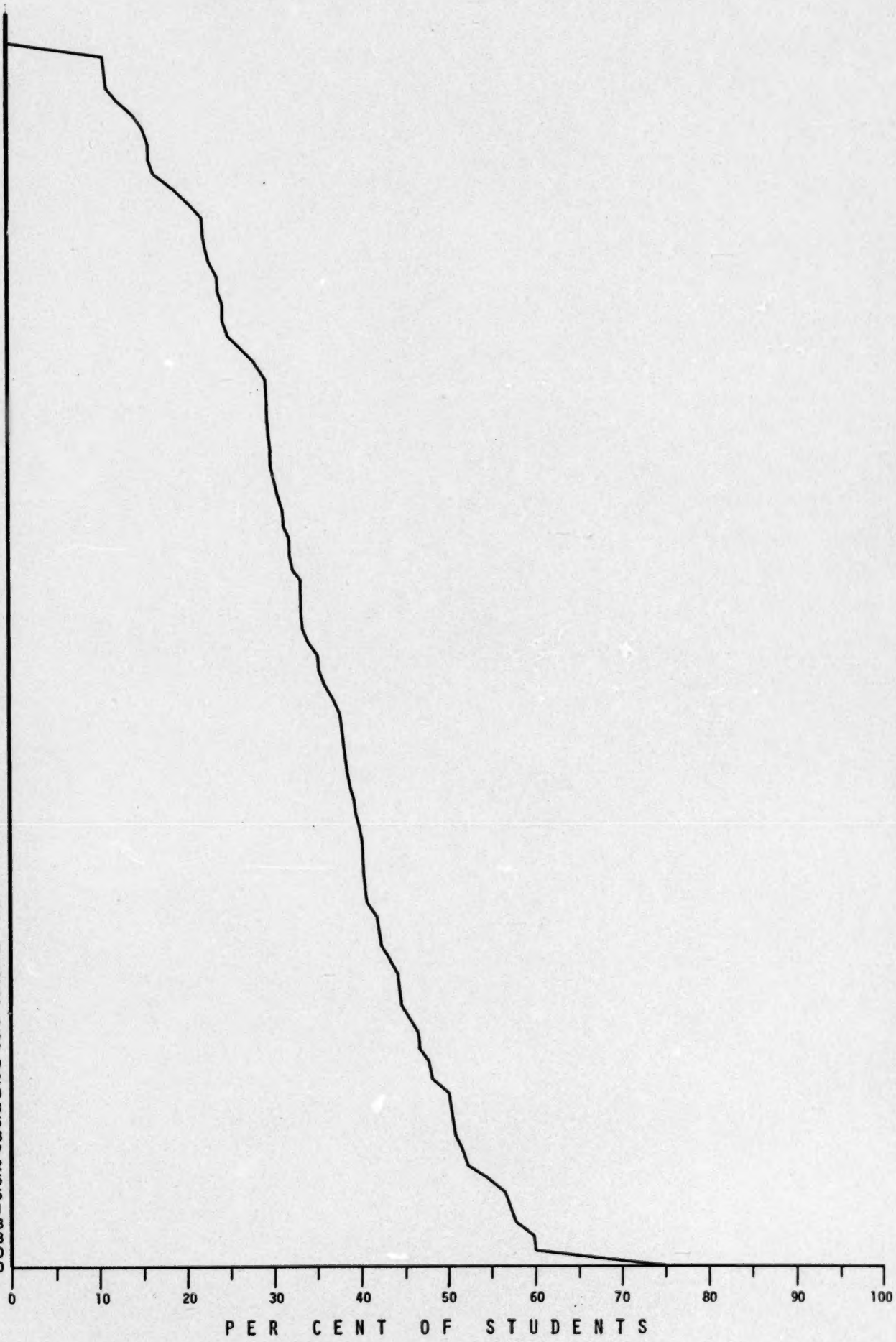


Table 14

PER CENT OTHER THAN FRESHMAN AND SOPHOMORE STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

MAJOR	
HIGH SCHOOL COMPLETION	0.0
H.S. STUDENTS, COL. ENROL.	0.0
CLERICAL	0.0
ESCROW	0.0
MACHINE SHOP	0.0
AIRLINE STEWARDESS	0.0
FOOD SERVICES TECHNICIAN	0.0
LABORATORY TECH. (MEDICAL)	0.0
LOCAL GOVERNMENT CAREERS	0.0
DENTAL HYGIENE	1.2
COSMETOLOGY	1.4
FORESTRY	1.7
VETERINARY MEDICINE	1.9
QUALITY CONTROL	2.0
LIBERAL ARTS	2.6
HOME ECONOMICS	3.2
WELDING	3.6
NURSING, LICENSED VOC.	3.7
RECREATION	3.7
MUSIC	3.8
POLITICAL SCIENCE	3.8
BUSINESS MGMT. (NON-TRANS)	4.0
AIR CONDITIONING & REFRIG.	4.0
DENTISTRY	4.0
POLICE SCIENCE (PEACE OF)	4.1
PSYCHOLOGY	4.2
CONSTRUCTION TECHNOLOGY	4.3
MEDICINE	4.4
ARCHITECTURE	4.5
THEATRE ARTS	4.6
PHOTOGRAPHY	4.7
PHYSICAL EDUCATION	4.7
LAW	4.9
DRAFTING	4.9
AMERICAN STUDIES	5.0
PHARMACY	5.1
INTERIOR DESIGN ASSISTANT	5.2
JOURNALISM	5.3
METALLURGY	5.3
SECRETARIAL	5.5
RADIOLOGIC TECH. (X-RAY)	5.5
AUTOMOTIVE TECHNOLOGY	5.6
FASHION DESIGN COORDINATION	5.6
AUTO MECHANICS	6.0
MEDICAL ASSISTANT	6.3
SOCIOLOGY	6.4
SOCIAL WELFARE TECHNICIAN	6.5
AUTO BODY & FENDER	6.5
DATA PROCESSING	6.6
ART	6.6
OPTOMETRY	6.7
ELE. & EARLY CHILD TEACH.	6.8
ANTHROPOLOGY	7.1
BACTERIOLOGY-MICROBIOLOGY	7.1
BUSINESS ADMINISTRATION	7.2
INDUSTRIAL ARTS	7.2
HISTORY	7.2
NURSING, EL CAMINO R.N.	7.3
NURSING, UNIVERSITY TRANS.	7.3
ELECTRONICS	7.6
PHILOSOPHY	7.7
SUPERVISION	8.0
ENGLISH	8.2
UNDECLARED	8.3
BIOLOGY	8.3
ACCOUNTING (NON-TRANSFER)	8.5
SPEECH ARTS	8.6
BUSINESS EDUCATION (TEACH)	8.9
MATHEMATICS	9.4
RESPIRATORY THERAPY	9.4
ZOOLOGY	9.4
PRODUCTION TECHNOLOGY	9.5
PHYSICAL THERAPY	9.7
PHYSICS	10.0
MARKETING	10.1
GEOGRAPHY	10.3
INDUSTRIAL DESIGN	11.8
BOTANY	11.8
SOCIAL WELFARE	13.0
FOREIGN LANGUAGE	13.2
ECONOMICS	13.4
GEOLOGY	14.3
ENGINEERING	16.1
REAL ESTATE	19.5
CHEMISTRY	19.7
INDUSTRIAL TECHNOLOGY	24.1
POWER SEWING	25.0

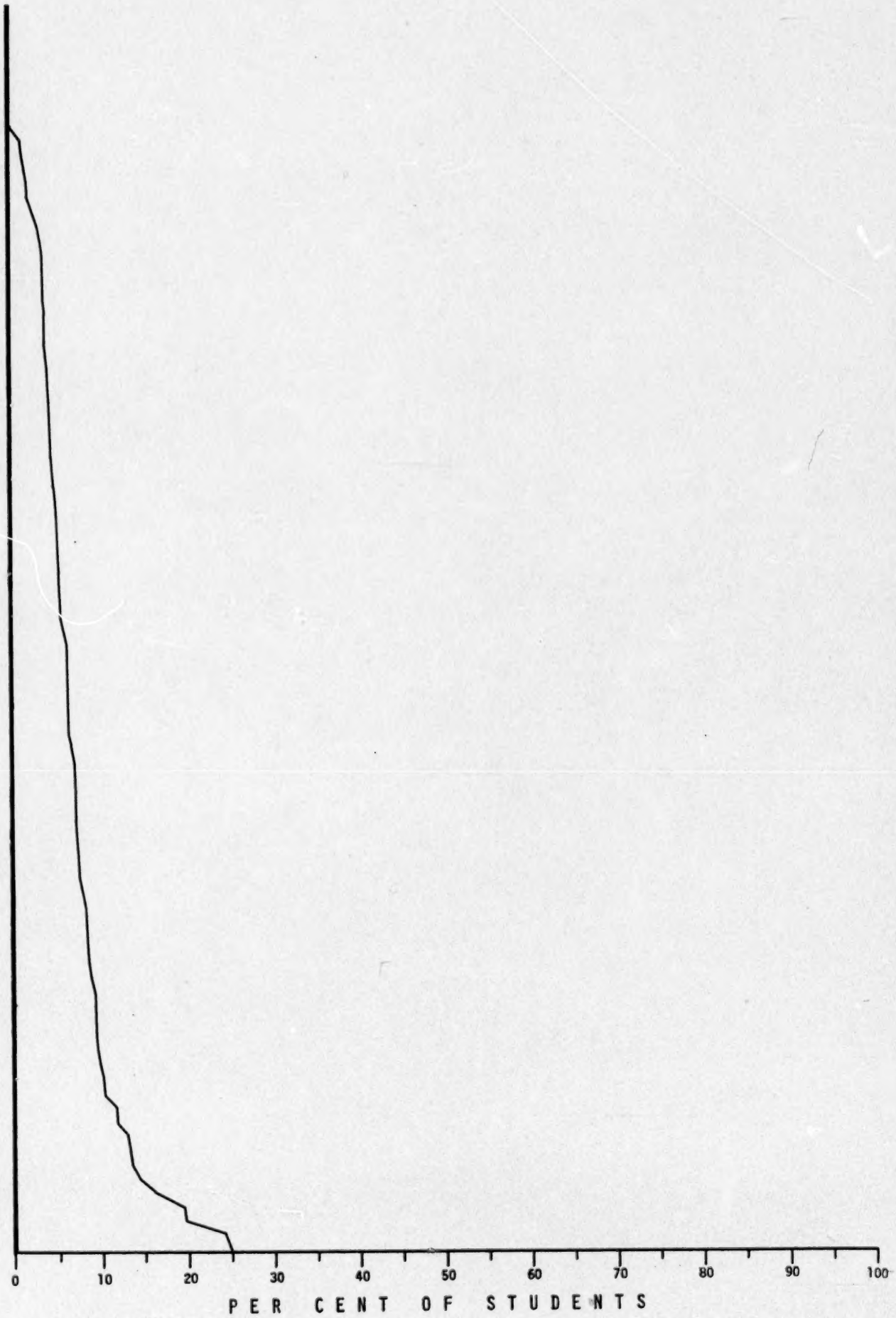


Table 15

PER CENT PART-TIME STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

MAJOR	
GEOGRAPHY	24.1
DENTISTRY	29.0
MEDICINE	30.0
FORESTRY	32.2
ARCHITECTURE	32.4
JOURNALISM	34.0
VETERINARY MEDICINE	34.0
PHYSICAL EDUCATION	34.1
LAW	35.3
ZOOLOGY	35.9
PHYSICAL THERAPY	37.1
SPEECH ARTS	39.7
POLITICAL SCIENCE	39.8
OPTOMETRY	40.0
PHARMACY	40.7
HISTORY	42.2
PHILOSOPHY	42.3
RECREATION	42.6
BIOLOGY	42.7
NURSING, LICENSED VOC.	43.8
DENTAL HYGIENE	44.4
ANTHROPOLOGY	44.7
ECONOMICS	45.1
PSYCHOLOGY	46.4
RADIOLOGIC TECH. (X-RAY)	47.3
SOCIAL WELFARE	47.8
THEATRE ARTS	48.3
GEOLOGY	48.6
SOCIOLOGY	49.2
MUSIC	49.9
LOCAL GOVERNMENT CAREERS	50.0
BACTERIOLOGY-MICROBIOLOGY	50.0
PHYSICS	50.0
POWER SEWING	50.0
MATHEMATICS	51.2
INDUSTRIAL ARTS	51.5
SOCIAL WELFARE TECHNICIAN	51.6
AIRLINE STEWARDESS	52.7
LABORATORY TECH. (MEDICAL)	54.5
RESPIRATORY THERAPY	54.7
CHEMISTRY	54.9
ELE. & EARLY CHILD TEACH.	55.0
ENGLISH	55.2
FASHION DESIGN COORDINATION	55.6
PHOTOGRAPHY	56.1
CLERICAL	56.9
SECRETARIAL	57.7
MARKETING	58.2
FOREIGN LANGUAGE	58.3
NURSING, UNIVERSITY TRANS.	59.8
HOME ECONOMICS	60.0
NURSING, EL CAMINO R.N.	60.2
BUSINESS EDUCATION (TEACH)	60.7
CONSTRUCTION TECHNOLOGY	60.9
BUSINESS ADMINISTRATION	61.5
ART	61.8
AUTO MECHANICS	61.9
INTERIOR DESIGN ASSISTANT	63.8
ACCOUNTING (NON-TRANSFER)	64.5
DRAFTING	64.6
BOTANY	64.7
POLICE SCIENCE (PEACE OF)	65.2
ELECTRONICS	65.4
ENGINEERING	65.5
MACHINE SHOP	66.7
AUTO BODY & FENDER	67.7
LIBERAL ARTS	68.4
MEDICAL ASSISTANT	68.4
DATA PROCESSING	68.5
BUSINESS MGMT. (NON-TRANS)	69.5
AMERICAN STUDIES	70.0
COSMETOLOGY	70.3
AIR CONDITIONING & REFRIG.	71.0
WELDING	73.2
UNDECLARED	74.8
INDUSTRIAL TECHNOLOGY	76.6
HIGH SCHOOL COMPLETION	77.8
PRODUCTION TECHNOLOGY	81.0
INDUSTRIAL DESIGN	82.4
METALLURGY	84.2
AUTOMOTIVE TECHNOLOGY	88.9
SUPERVISION	90.8
REAL ESTATE	91.6
QUALITY CONTROL	92.2
FOOD SERVICES TECHNICIAN	95.2
H.S. STUDENTS, COL. ENROL.	99.2
ESCROW	100.0

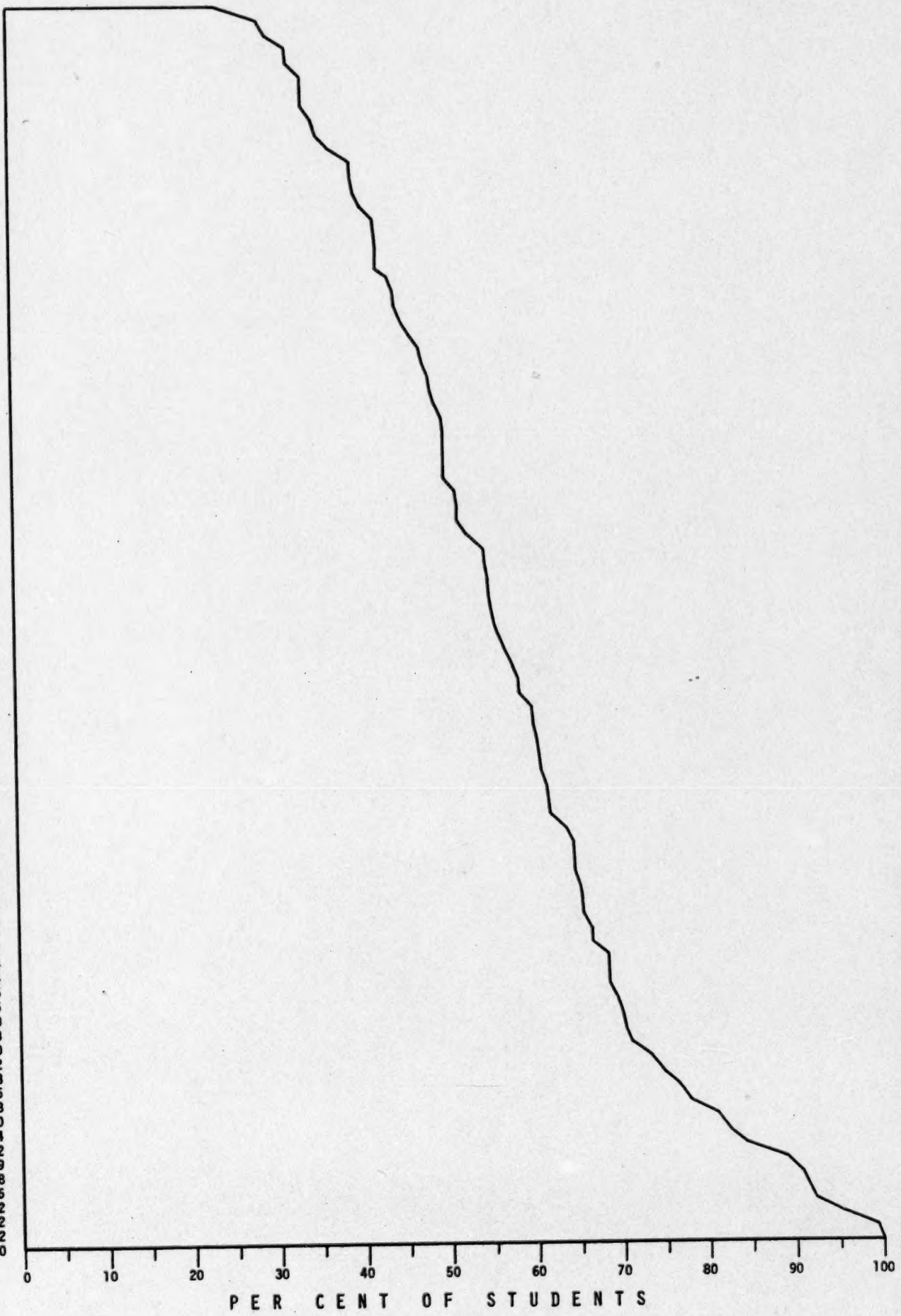


Table 16

PER CENT FULL-TIME STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

MAJOR	
ESCROW	0.0
H.S. STUDENTS, COL. ENROL.	0.8
FOOD SERVICES TECHNICIAN	4.8
QUALITY CONTROL	7.8
REAL ESTATE	8.4
SUPERVISION	9.2
AUTOMOTIVE TECHNOLOGY	11.1
METALLURGY	15.8
INDUSTRIAL DESIGN	17.6
PRODUCTION TECHNOLOGY	19.0
HIGH SCHOOL COMPLETION	22.2
INDUSTRIAL TECHNOLOGY	23.4
UNDECLARED	25.2
WELDING	26.8
AIR CONDITIONING & REFRIG.	29.0
COSMETOLOGY	29.7
AMERICAN STUDIES	30.0
BUSINESS MGMT. (NON-TRANS)	30.5
DATA PROCESSING	31.5
LIBERAL ARTS	31.6
MEDICAL ASSISTANT	31.6
AUTO BODY & FENDER	32.3
MACHINE SHOP	33.3
ENGINEERING	34.5
ELECTRONICS	34.6
POLICE SCIENCE (PEACE OF)	34.8
BOTANY	35.3
DRAFTING	35.4
ACCOUNTING (NON-TRANSFER)	35.5
INTERIOR DESIGN ASSISTANT	36.2
AUTO MECHANICS	38.1
ART	38.2
BUSINESS ADMINISTRATION	38.5
CONSTRUCTION TECHNOLOGY	39.1
BUSINESS EDUCATION (TEACH)	39.3
NURSING, EL CAMINO R.N.	39.8
HOME ECONOMICS	40.0
NURSING, UNIVERSITY TRANS.	40.2
FOREIGN LANGUAGE	41.7
MARKETING	41.8
SECRETARIAL	42.3
CLERICAL	43.1
PHOTOGRAPHY	43.9
FASHION DESIGN COORDINATION	44.4
ENGLISH	44.8
ELE. & EARLY CHILD TEACH.	45.0
CHEMISTRY	45.1
RESPIRATORY THERAPY	45.3
LABORATORY TECH. (MEDICAL)	45.5
AIRLINE STEWARDESS	47.3
SOCIAL WELFARE TECHNICIAN	48.4
INDUSTRIAL ARTS	48.5
MATHEMATICS	48.8
LOCAL GOVERNMENT CAREERS	50.0
BACTERIOLOGY-MICROBIOLOGY	50.0
PHYSICS	50.0
POWER SEWING	50.0
MUSIC	50.1
SOCIOLOGY	50.8
GEOLOGY	51.4
THEATRE ARTS	51.7
SOCIAL WELFARE	52.2
RADIOLOGIC TECH. (X-RAY)	52.7
PSYCHOLOGY	53.6
ECONOMICS	54.9
ANTHROPOLOGY	55.3
DENTAL HYGIENE	55.6
NURSING, LICENSED VOC.	56.3
BIOLOGY	57.3
RECREATION	57.4
PHILOSOPHY	57.7
HISTORY	57.8
PHARMACY	59.3
OPTOMETRY	60.0
POLITICAL SCIENCE	60.2
SPEECH ARTS	60.3
PHYSICAL THERAPY	62.9
ZOOLOGY	64.1
LAW	64.7
PHYSICAL EDUCATION	65.9
JOURNALISM	66.0
VETERINARY MEDICINE	66.0
ARCHITECTURE	67.6
FORESTRY	67.8
MEDICINE	70.0
DENTISTRY	71.0
GEOGRAPHY	75.9

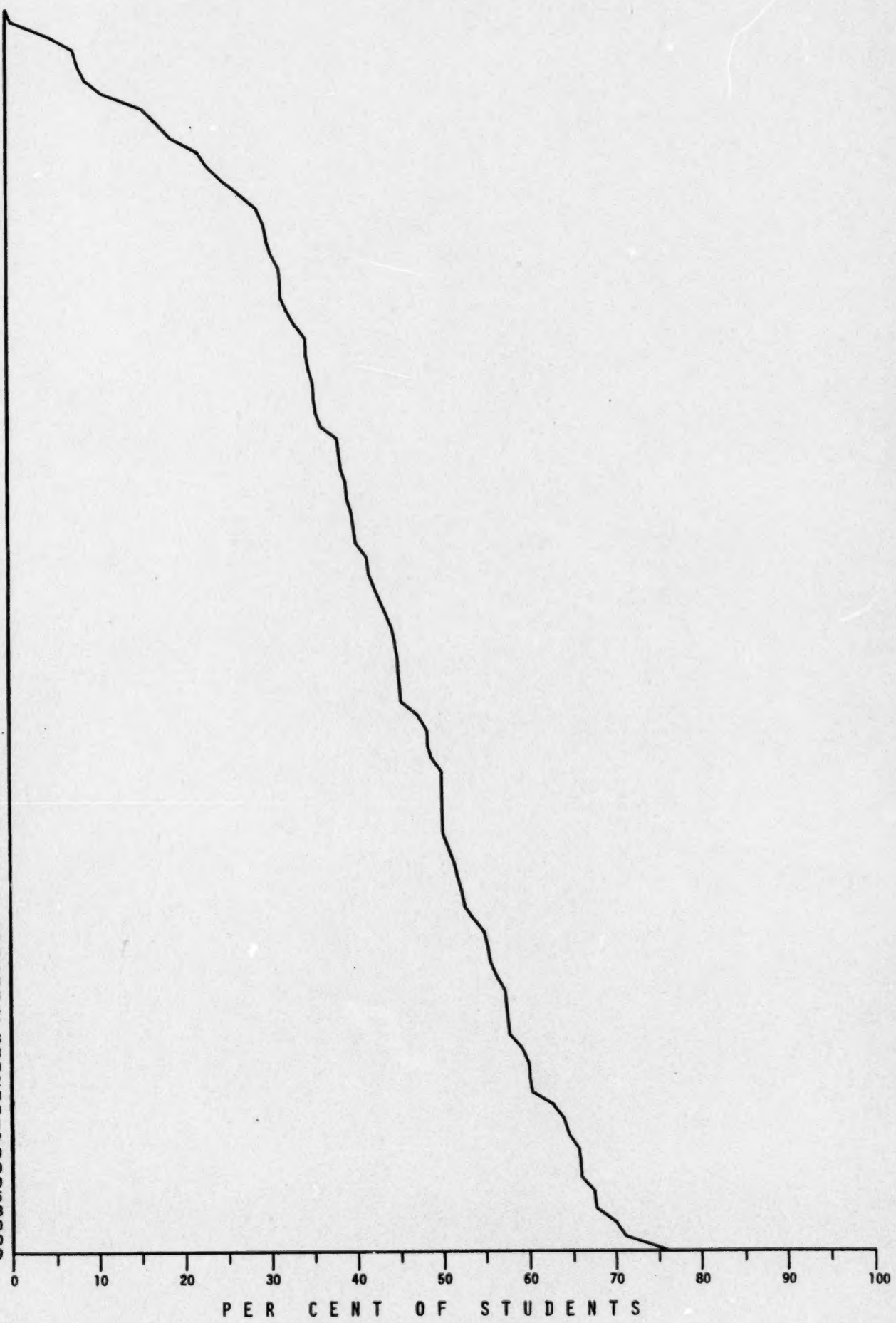


Table 17

NUMBER OF STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

MAJOR	
ESCROW	3
LOCAL GOVERNMENT CAREERS	4
POWER SEWING	8
HIGH SCHOOL COMPLETION	9
BACTERIOLOGY-MICROBIOLOGY	14
INDUSTRIAL DESIGN	17
AUTOMOTIVE TECHNOLOGY	18
FASHION DESIGN COORDINATION	18
AMERICAN STUDIES	20
PRODUCTION TECHNOLOGY	21
FOOD SERVICES TECHNICIAN	21
LABORATORY TECH. (MEDICAL)	22
SOCIAL WELFARE	23
MACHINE SHOP	27
GEOGRAPHY	29
OPTOMETRY	30
SOCIAL WELFARE TECHNICIAN	31
AUTO BODY & FENDER	31
BOTANY	34
GEOLOGY	35
PHYSICS	40
CONSTRUCTION TECHNOLOGY	46
CLERICAL	51
QUALITY CONTROL	51
PHILOSOPHY	52
VETERINARY MEDICINE	53
RECREATION	54
AIRLINE STEWARDESS	55
BUSINESS EDUCATION (TEACH)	56
WELDING	56
METALLURGY	57
SPEECH ARTS	58
INTERIOR DESIGN ASSISTANT	58
PHARMACY	59
PHYSICAL THERAPY	62
ZOOLOGY	64
CHEMISTRY	71
COSMETOLOGY	74
LIBERAL ARTS	76
MARKETING	79
NURSING, LICENSED VOC.	80
DENTAL HYGIENE	81
ECONOMICS	82
NURSING, UNIVERSITY TRANS.	82
AUTO MECHANICS	84
ANTHROPOLOGY	85
SUPERVISION	87
RADIOLOGIC TECH. (X-RAY)	91
JOURNALISM	94
MEDICAL ASSISTANT	95
AIR CONDITIONING & REFRIG.	100
DENTISTRY	100
LAW	102
RESPIRATORY THERAPY	106
ARCHITECTURE	111
FORESTRY	121
H.S. STUDENTS, COL. ENROL.	123
DRAFTING	144
FOREIGN LANGUAGE	151
THEATRE ARTS	151
HOME ECONOMICS	155
INDUSTRIAL TECHNOLOGY	158
MEDICINE	160
INDUSTRIAL ARTS	167
PHOTOGRAPHY	171
REAL ESTATE	190
POLITICAL SCIENCE	211
BIOLOGY	218
SECRETARIAL	220
MATHEMATICS	244
PHYSICAL EDUCATION	258
BUSINESS MGMT. (NON-TRANS)	272
ACCOUNTING (NON-TRANSFER)	282
DATA PROCESSING	305
MUSIC	343
ENGINEERING	354
ELECTRONICS	355
SOCIOLOGY	419
HISTORY	431
ENGLISH	475
NURSING, EL CAMINO R.N.	492
PSYCHOLOGY	599
ELE. & EARLY CHILD TEACH.	618
POLICE SCIENCE (PEACE OF)	652
ART	757
BUSINESS ADMINISTRATION	1768
UNDECLARED	8136

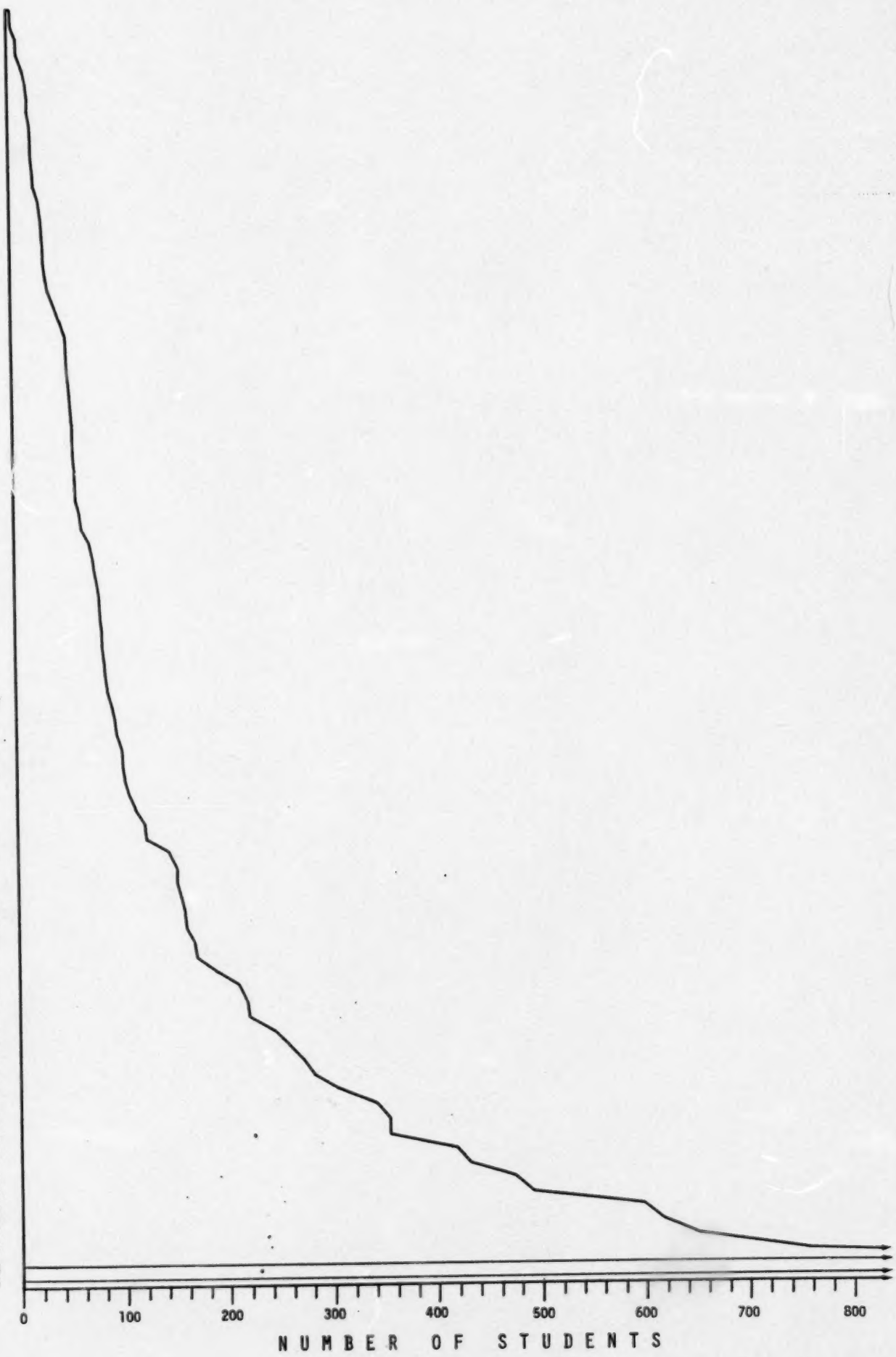


Table 18

NUMBER OF FRESHMAN STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

MAJOR	
LOCAL GOVERNMENT CAREERS	1
ESCROW	2
POWER SEWING	6
BACTERIOLOGY-MICROBIOLOGY	6
SOCIAL WELFARE	7
HIGH SCHOOL COMPLETION	9
INDUSTRIAL DESIGN	10
LABORATORY TECH. (MEDICAL)	10
GEOLOGY	10
PRODUCTION TECHNOLOGY	11
GEOGRAPHY	11
FASHION DESIGN COORDINATION	13
AMERICAN STUDIES	14
OPTOMETRY	14
AUTOMOTIVE TECHNOLOGY	15
MACHINE SHOP	15
SOCIAL WELFARE TECHNICIAN	16
FOOD SERVICES TECHNICIAN	18
BOTANY	19
PHYSICS	20
ZOOLOGY	21
ECONOMICS	22
AUTO BODY & FENDER	24
PHILOSOPHY	26
SPEECH ARTS	26
PHARMACY	26
ANTHROPOLOGY	28
PHYSICAL THERAPY	29
CHEMISTRY	29
CONSTRUCTION TECHNOLOGY	30
METALLURGY	30
QUALITY CONTROL	32
RECREATION	32
BUSINESS EDUCATION (TEACH)	33
CLERICAL	34
MARKETING	35
VETERINARY MEDICINE	40
LIBERAL ARTS	40
NURSING, UNIVERSITY TRANS.	43
WELDING	45
INTERIOR DESIGN ASSISTANT	46
AIRLINE STEWARDESS	49
COSMETOLOGY	56
INDUSTRIAL TECHNOLOGY	56
RADIOLOGIC TECH. (X-RAY)	59
JOURNALISM	60
DENTAL HYGIENE	62
SUPERVISION	62
RESPIRATORY THERAPY	62
AUTO MECHANICS	65
LAW	65
DENTISTRY	66
NURSING, LICENSED VOC.	68
MEDICAL ASSISTANT	71
INDUSTRIAL ARTS	71
AIR CONDITIONING & REFRIG.	72
ARCHITECTURE	73
DRAFTING	81
FOREIGN LANGUAGE	86
THEATRE ARTS	86
FORESTRY	90
REAL ESTATE	102
POLITICAL SCIENCE	102
MEDICINE	105
BIOLOGY	111
HOME ECONOMICS	112
PHOTOGRAPHY	115
ENGINEERING	118
H.S. STUDENTS, COL. ENROL.	123
MATHEMATICS	123
PHYSICAL EDUCATION	153
SECRETARIAL	154
ACCOUNTING (NON-TRANSFER)	158
BUSINESS MGMT. (NON-TRANS)	158
HISTORY	175
DATA PROCESSING	183
SOCIOLOGY	190
ELECTRONICS	193
MUSIC	229
ENGLISH	244
NURSING, EL CAMINO R.N.	288
PSYCHOLOGY	309
ELE. & EARLY CHILD TEACH.	369
POLICE SCIENCE (PEACE OF)	373
ART	470
BUSINESS ADMINISTRATION	942
UNDECLARED	6440

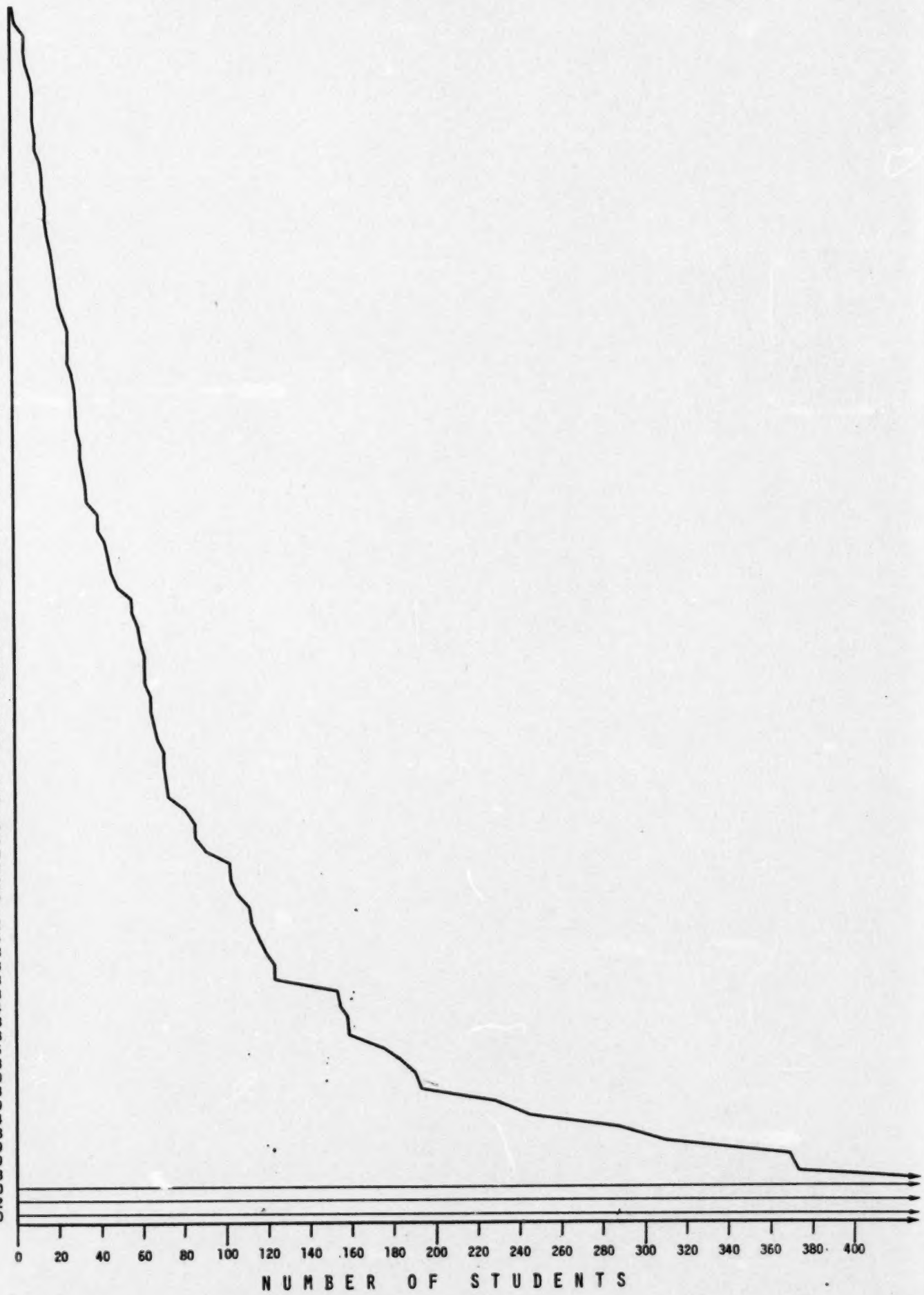


Table 19

NUMBER OF SOPHOMORE STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

MAJOR	
H.S. STUDENTS, COL. ENROL.	0
HIGH SCHOOL COMPLETION	0
POWER SEWING	0
ESCROW	1
AUTOMOTIVE TECHNOLOGY	2
FOOD SERVICES TECHNICIAN	3
LOCAL GOVERNMENT CAREERS	3
FASHION DESIGN COORDINATION	4
AMERICAN STUDIES	5
INDUSTRIAL DESIGN	5
AUTO BODY & FENDER	5
AIRLINE STEWARDESS	6
BACTERIOLOGY-MICROBIOLOGY	7
PRODUCTION TECHNOLOGY	8
WELDING	9
INTERIOR DESIGN ASSISTANT	9
NURSING, LICENSED VOC.	9
BOTANY	11
MACHINE SHOP	12
LABORATORY TECH. (MEDICAL)	12
VETERINARY MEDICINE	12
SOCIAL WELFARE TECHNICIAN	13
SOCIAL WELFARE	13
CONSTRUCTION TECHNOLOGY	14
OPTOMETRY	14
AUTO MECHANICS	14
GEOGRAPHY	15
PHYSICS	16
CLERICAL	17
COSMETOLOGY	17
QUALITY CONTROL	18
DENTAL HYGIENE	18
BUSINESS EDUCATION (TEACH)	18
MEDICAL ASSISTANT	18
SUPERVISION	18
RECREATION	20
GEOLOGY	20
PHILOSOPHY	22
METALLURGY	24
AIR CONDITIONING & REFRIG.	24
RADIOLOGIC TECH. (X-RAY)	27
SPEECH ARTS	27
PHYSICAL THERAPY	27
CHEMISTRY	28
FORESTRY	29
JOURNALISM	29
PHARMACY	30
DENTISTRY	30
LAW	32
ARCHITECTURE	33
NURSING, UNIVERSITY TRANS.	33
LIBERAL ARTS	34
RESPIRATORY THERAPY	34
MARKETING	36
ZOOLOGY	37
HOME ECONOMICS	38
FOREIGN LANGUAGE	45
MEDICINE	48
PHOTOGRAPHY	48
ECONOMICS	49
ANTHROPOLOGY	51
REAL ESTATE	51
SECRETARIAL	54
DRAFTING	56
THEATRE ARTS	58
INDUSTRIAL TECHNOLOGY	64
INDUSTRIAL ARTS	84
BIOLOGY	89
PHYSICAL EDUCATION	93
MATHEMATICS	98
ACCOUNTING (NON-TRANSFER)	100
POLITICAL SCIENCE	101
MUSIC	101
DATA PROCESSING	102
BUSINESS MGMT. (NON-TRANS)	103
ELECTRONICS	135
NURSING, EL CAMINO R.N.	168
ENGINEERING	179
ENGLISH	192
SOCIOLOGY	202
ELE. & EARLY CHILD TEACH.	207
HISTORY	225
ART	237
POLICE SCIENCE (PEACE OF)	252
PSYCHOLOGY	265
BUSINESS ADMINISTRATION	699
UNDECLARED	1022

Table 20

NUMBER OF OTHER THAN FRESHMAN AND SOPHOMORE STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

MAJOR	
ESCROW	0
H.S. STUDENTS, COL. ENROL.	0
FOOD SERVICES TECHNICIAN	0
HIGH SCHOOL COMPLETION	0
MACHINE SHOP	0
CLERICAL	0
LABORATORY TECH. (MEDICAL)	0
AIRLINE STEWARDESS	0
LOCAL GOVERNMENT CAREERS	0
QUALITY CONTROL	1
AUTOMOTIVE TECHNOLOGY	1
COSMETOLOGY	1
AMERICAN STUDIES	1
FASHION DESIGN COORDINATION	1
BACTERIOLOGY-MICROBIOLOGY	1
DENTAL HYGIENE	1
VETERINARY MEDICINE	1
INDUSTRIAL DESIGN	2
PRODUCTION TECHNOLOGY	2
WELDING	2
LIBERAL ARTS	2
AUTO BODY & FENDER	2
CONSTRUCTION TECHNOLOGY	2
SOCIAL WELFARE TECHNICIAN	2
POWER SEWING	2
RECREATION	2
OPTOMETRY	2
FORESTRY	2
METALLURGY	3
INTERIOR DESIGN ASSISTANT	3
SOCIAL WELFARE	3
NURSING, LICENSED VOC.	3
PHARMACY	3
GEOGRAPHY	3
AIR CONDITIONING & REFRIG.	4
BOTANY	4
PHYSICS	4
PHILOSOPHY	4
DENTISTRY	4
AUTO MECHANICS	5
BUSINESS EDUCATION (TEACH)	5
HOME ECONOMICS	5
GEOLOGY	5
RADIOLOGIC TECH. (X-RAY)	5
SPEECH ARTS	5
LAW	5
JOURNALISM	5
ARCHITECTURE	5
MEDICAL ASSISTANT	6
NURSING, UNIVERSITY TRANS.	6
ANTHROPOLOGY	6
PHYSICAL THERAPY	6
ZOOLOGY	6
SUPERVISION	7
DRAFTING	7
THEATRE ARTS	7
MEDICINE	7
MARKETING	8
PHOTOGRAPHY	8
POLITICAL SCIENCE	8
RESPIRATORY THERAPY	10
BUSINESS MGMT. (NON-TRANS)	11
ECONOMICS	11
SECRETARIAL	12
INDUSTRIAL ARTS	12
PHYSICAL EDUCATION	12
MUSIC	13
CHEMISTRY	14
BIOLOGY	18
DATA PROCESSING	20
FOREIGN LANGUAGE	20
MATHEMATICS	23
ACCOUNTING (NON-TRANSFER)	24
PSYCHOLOGY	25
ELECTRONICS	27
POLICE SCIENCE (PEACE OF)	27
SOCIOLOGY	27
HISTORY	31
NURSING, EL CAMINO R.N.	36
REAL ESTATE	37
INDUSTRIAL TECHNOLOGY	38
ENGLISH	39
ELE. & EARLY CHILD TEACH.	42
ART	50
ENGINEERING	57
BUSINESS ADMINISTRATION	127
UNDECLARED	674

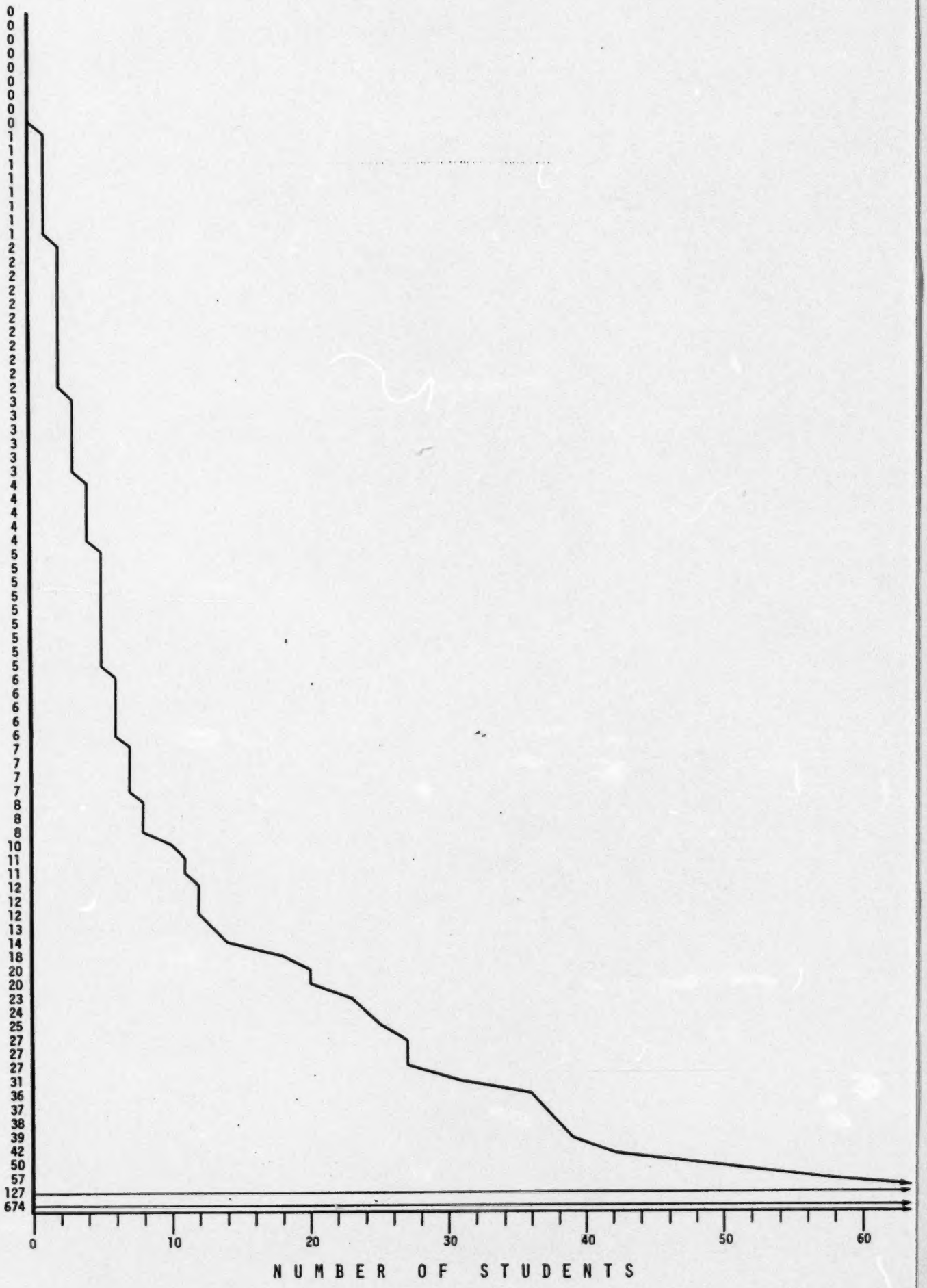


Table 21

NUMBER OF FULL-TIME STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

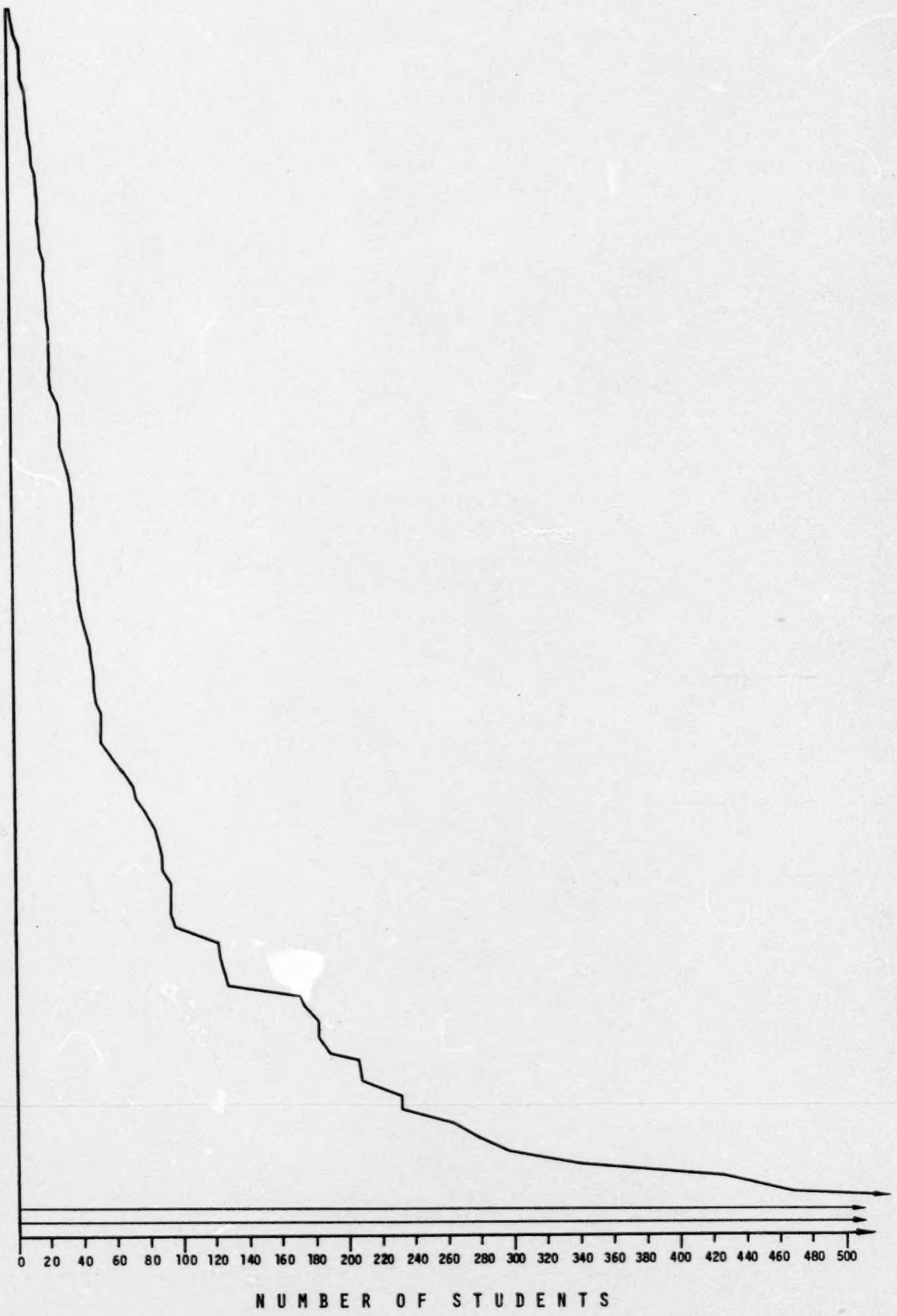
MAJOR	
ESCROW	0
FOOD SERVICES TECHNICIAN	1
H.S. STUDENTS, COL. ENROL.	1
LOCAL GOVERNMENT CAREERS	2
HIGH SCHOOL COMPLETION	2
AUTOMOTIVE TECHNOLOGY	2
INDUSTRIAL DESIGN	3
POWER SEWING	4
PRODUCTION TECHNOLOGY	4
QUALITY CONTROL	4
AMERICAN STUDIES	6
BACTERIOLOGY-MICROBIOLOGY	7
FASHION DESIGN COORDINATION	8
SUPERVISION	8
MACHINE SHOP	9
METALLURGY	9
LABORATORY TECH. (MEDICAL)	10
AUTO BODY & FENDER	10
SOCIAL WELFARE	12
BOTANY	12
SOCIAL WELFARE TECHNICIAN	15
WELDING	15
REAL ESTATE	16
OPTOMETRY	18
GEOLOGY	18
CONSTRUCTION TECHNOLOGY	18
PHYSICS	20
INTERIOR DESIGN ASSISTANT	21
GEOGRAPHY	22
CLERICAL	22
BUSINESS EDUCATION (TEACH)	22
COSMETOLOGY	22
LIBERAL ARTS	24
AIRLINE STEWARDESS	26
AIR CONDITIONING & REFRIG.	29
PHILOSOPHY	30
MEDICAL ASSISTANT	30
RECREATION	31
CHEMISTRY	32
AUTO MECHANICS	32
MARKETING	33
NURSING, UNIVERSITY TRANS.	33
VETERINARY MEDICINE	35
SPEECH ARTS	35
PHARMACY	35
INDUSTRIAL TECHNOLOGY	37
PHYSICAL THERAPY	39
ZOOLOGY	41
NURSING, LICENSED VOC.	45
DENTAL HYGIENE	45
ECONOMICS	45
ANTHROPOLOGY	47
RADIOLOGIC TECH. (X-RAY)	48
RESPIRATORY THERAPY	48
DRAFTING	51
JOURNALISM	62
HOME ECONOMICS	62
FOREIGN LANGUAGE	63
LAW	66
DENTISTRY	71
ARCHITECTURE	75
PHOTOGRAPHY	75
THEATRE ARTS	78
INDUSTRIAL ARTS	81
FORESTRY	82
BUSINESS MGMT. (NON-TRANS)	83
SECRETARIAL	93
DATA PROCESSING	96
ACCOUNTING (NON-TRANSFER)	100
MEDICINE	112
MATHEMATICS	119
ENGINEERING	122
ELECTRONICS	123
BIOLOGY	125
POLITICAL SCIENCE	127
PHYSICAL EDUCATION	170
MUSIC	172
NURSING, EL CAMINO R.N.	196
SOCIOLOGY	213
ENGLISH	213
POLICE SCIENCE (PEACE OF)	227
HISTORY	249
ELE. & EARLY CHILD TEACH.	278
ART	289
PSYCHOLOGY	321
BUSINESS ADMINISTRATION	680
UNDECLARED	2053

Table 22

NUMBER OF PART-TIME STUDENTS DESIGNATING VARIOUS MAJORS AT EL CAMINO COLLEGE IN RANK ORDER

FALL 1971

MAJOR	
LOCAL GOVERNMENT CAREERS	2
ESCROW	3
POWER SEWING	4
HIGH SCHOOL COMPLETION	7
BACTERIOLOGY-MICROBIOLOGY	7
GEOGRAPHY	7
FASHION DESIGN COORDINATION	10
SOCIAL WELFARE	11
LABORATORY TECH. (MEDICAL)	12
OPTOMETRY	12
INDUSTRIAL DESIGN	14
AMERICAN STUDIES	14
AUTOMOTIVE TECHNOLOGY	16
SOCIAL WELFARE TECHNICIAN	16
PRODUCTION TECHNOLOGY	17
GEOLOGY	17
MACHINE SHOP	18
VETERINARY MEDICINE	18
FOOD SERVICES TECHNICIAN	20
PHYSICS	20
AUTO BODY & FENDER	21
BOTANY	22
PHILOSOPHY	22
RECREATION	23
SPEECH ARTS	23
PHYSICAL THERAPY	23
ZOOLOGY	23
PHARMACY	24
CONSTRUCTION TECHNOLOGY	28
CLERICAL	29
AIRLINE STEWARDESS	29
DENTISTRY	29
JOURNALISM	32
BUSINESS EDUCATION (TEACH)	34
NURSING, LICENSED VOC.	35
DENTAL HYGIENE	36
LAW	36
ARCHITECTURE	36
INTERIOR DESIGN ASSISTANT	37
ECONOMICS	37
ANTHROPOLOGY	38
CHEMISTRY	39
FORESTRY	39
WELDING	41
RADIOLOGIC TECH. (X-RAY)	43
MARKETING	46
QUALITY CONTROL	47
METALLURGY	48
MEDICINE	48
NURSING, UNIVERSITY TRANS.	49
COSMETOLOGY	52
LIBERAL ARTS	52
AUTO MECHANICS	52
RESPIRATORY THERAPY	58
MEDICAL ASSISTANT	65
AIR CONDITIONING & REFRIG.	71
THEATRE ARTS	73
SUPERVISION	79
POLITICAL SCIENCE	84
INDUSTRIAL ARTS	86
FOREIGN LANGUAGE	88
PHYSICAL EDUCATION	88
DRAFTING	93
HOME ECONOMICS	93
BIOLOGY	93
PHOTOGRAPHY	96
INDUSTRIAL TECHNOLOGY	121
H.S. STUDENTS, COL. ENROL.	122
MATHEMATICS	125
SECRETARIAL	127
MUSIC	171
REAL ESTATE	174
ACCOUNTING (NON-TRANSFER)	182
HISTORY	182
BUSINESS MGMT. (NON-TRANS)	189
SOCIOLOGY	206
DATA PROCESSING	209
ENGINEERING	232
ELECTRONICS	232
ENGLISH	262
PSYCHOLOGY	278
NURSING, EL CAMINO R.N.	296
ELE. & EARLY CHILD TEACH.	340
POLICE SCIENCE (PEACE OF)	425
ART	468
BUSINESS ADMINISTRATION	1088
UNDECLARED	6083



AN ANALYSIS OF ACADEMIC RELEVANCY FROM A SAMPLE OF EL CAMINO COLLEGE STUDENTS

EL CAMINO COLLEGE

OIR 72-5

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OFFICE OF RESEARCH

DR. JERRY C. GARLOCK

AN ANALYSIS OF ACADEMIC RELEVANCY FROM A SAMPLE OF EL CAMINO COLLEGE STUDENTS

On November 7, 1971, George A. Farrah, Professor of Education, St. Cloud State College, St. Cloud, Minnesota, completed a study on academic relevancy. In this study, he compared a number of colleges throughout the country in terms of this characteristic. An integral part of this study was to compare St. Cloud College with other colleges in the country. A sample of 70 students from El Camino College was used in his investigation. One copy of this report was provided El Camino College and is currently in the Office of Research. Data from the Farrah study were summarized in a manner relevant to the staff at El Camino College, and are the basis for the present report.

The sample used at El Camino College was 70 students from Psychology 5 classes, which is an introduction to psychology courses. As the particular classes employed were randomly selected from all Psychology 5 classes offered and as students from Psychology 5 classes are representative of the total student body population, it is assumed that these 70 students are representative of the total student body population. These students were administered a test of relevancy containing 40 items about the individuals and the college--asking the students how relevant they rated the various items. The results were translated into stanines which are interpreted as follows: stanines 4.00 to 6.00 are classified as an area of indecision of relevancy. Stanine 4.00 is the high value of the item

scored as less relevant; hence, any stanine less than 4.00 is classified as less relevant. Stanine 6.00 is the low of the item scored as more relevant; hence, items greater than 6.00 are classified as more relevant.

Table 1 represents the mean relevant stanines of a sample of El Camino College students responding to the relevancy questionnaire arranged in order of relevance. Thus, the most relevant item of the questionnaire for the sample of El Camino College students is an answer to the question, "If you found your occupation rewarding and worthwhile?" This item received a mean relevance of 8.42. Twenty-five of the 40 items administered to El Camino College students indicate high relevancy. The last three items of Table 1 indicate a low relevancy; thus, 12 items are classified in the area of the indecision category. The 25 items of high relevance are not listed in the narration of the present report as they may be obtained directly from a perusal of Table 1.

Table 2 compares the relevance values of El Camino College with those of St. Cloud College for each of the 40 items. The data indicate that 16 items show El Camino College with a higher relevancy value than St. Cloud; two show identical values; 22 show St. Cloud with a higher relevancy value than El Camino College. Of the 16 items showing El Camino College with a higher relevancy value than St. Cloud College, only two are significant at the one per cent level of significance. These items are "If you realized that your feeling of self-adequacy was low in respect to the life goals that you had set?"; If you found your occupation rewarding and worthwhile?" Of the 22 areas where St. Cloud College relevancy values exceeded those of El Camino, eight of these were significant at the one per cent level of confidence. These include the

following: "If you got the only A on a very difficult test?"; If, when you finish college, you feel ready and extremely competent to enter your chosen field?"; If you discovered that someone had given you a poor recommendation for your chosen profession?"; If you could not make an athletic team because of low grades?"; If your ideas and goals were accepted by your classmates with enthusiasm and excitement?"; If you told your parents that you took part in a peace demonstration to which they were opposed?"; If you had to work your way through college?"; and, "If you were put into a position of helping people develop or set life-time goals?"

Although there is no particular significance in comparing El Camino College with St. Cloud College, it does give one point of reference that could prove of academic interest if not practical interest.

Table 1

MEAN RELEVANCE STANINE OF A SAMPLE OF EL CAMINO COLLEGE STUDENTS RESPONDING TO AN ACADEMIC RELEVANCY QUESTIONNAIRE ARRANGED IN ORDER OF RELEVANCE

	The question asks:	Mean Relevance Stanine
1.	If you found your occupation rewarding and worthwhile?	8.42
2.	If you got the only A on a very difficult test?	7.68
3.	If, when you finish college, you feel ready and extremely confident to enter your chosen field?	7.61
4.	If you had a poor teacher for a subject you were really interested in?	7.50
5.	If after studying for hours, you still failed a test?	7.36
6.	If you were offered a fascinating job starting at $20,000 yearly?	7.27
7.	If you repeatedly failed in what you tried?	7.26
8.	If all that you believed in were suddenly "knocked" from under you?	7.19
9.	If you were failing a test?	7.18
10.	If you failed an important requirement necessary for your field, would you continue in this major?	7.00
11.	If your actual role as a professional person (after graduation) was not up to the expectations or standards in your field?	6.93
12.	If you could be understood by your instructor?	6.88
13.	If you discovered that someone had given you a very poor recommendation for your chosen profession?	6.85
14.	If after preparing for a certain position, you discover that they have reassigned you to a more responsible and challenging task?	6.78
15.	If you were told that understanding and application of knowledge were more important than receiving good grades?	6.78

Table 1 Continued

MEAN RELEVANCE STANINE OF A SAMPLE OF EL CAMINO COLLEGE STUDENTS RESPONDING TO AN ACADEMIC RELEVANCY QUESTIONNAIRE ARRANGED IN ORDER OF RELEVANCE

	The question asks:	Mean Relevance Stanine
16.	If you suddenly discovered that you had been deceived in what you thought you really wanted (i.e., you had been "brainwashed" by parents, teachers, etc.)?	6.75
17.	If 3 out of 4 of your teachers said that you were a very efficient person?	6.71
18.	If you were offered a substantial grant to do graduate work immediately following graduation?	6.69
19.	If you could not understand a particular personal problem?	6.65
20.	If you discovered you were in the wrong field of study?	6.58
21.	If your ideas and goals were accepted by your classmates with enthusiasm and excitement?	6.49
22.	If failing terminated your desire to achieve?	6.44
23.	If you realized that your feeling of self-adequacy was low in respect to the life goals that you had set?	6.33
24.	If you were told that in order to be an efficient person in your field, you had to meet your goals?	6.06
25.	If you got an A in an important subject without really trying?	6.04
26.	If you were put into a position of helping people develop or set life-time goals?	5.95
27.	If you discovered that your main goal in life was easily attainable?	5.86
28.	If the expectations of your instructors are far greater than your efforts?	5.79
29.	If you were caught cheating?	5.79
30.	If upon graduating with a B.S. degree in your profession, you were interested in another occupation?	5.76

Table 1 Continued

MEAN RELEVANCE STANINE OF A SAMPLE OF EL CAMINO COLLEGE STUDENTS RESPONDING TO AN ACADEMIC RELEVANCY QUESTIONNAIRE ARRANGED IN ORDER OF RELEVANCE

	The question asks:	Mean Relevance Stanine
31.	If someone advised you that, before electing a major, you should "know yourself" before deciding what you want in life?	5.61
32.	If flunking a test did not bother you?	5.58
33.	If you had to work your way through college?	5.42
34.	If you knew that you were a disruptive influence in your class?	5.13
35.	If your friends felt that you would never graduate from college?	4.29
36.	If you could not make an athletic team because of low grades?	4.22
37.	If you could convince others to elect you to the student senate or to some other important college office?	4.15
38.	If you were staying in college only to please your parents and friends because you did not want to disappoint them?	3.93
39.	If you told your parents that you took part in a peace demonstration to which they were opposed?	3.65
40.	If your relatives look at you as a poor example of thier ideals?	3.55

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Table 2

MEAN RELEVANCE VALUES AND DIFFERENCES OF EL CAMINO COLLEGE AND ST. CLOUD COLLEGE ARRANGED IN ORDER OF DIFFERENCES MOST RELEVANT TO EL CAMINO COLLEGE

	The question asks:	Mean Relevance Values		Difference
		El Camino	St. Cloud	
1.	If you realized that your feeling of self-adequacy was low in respect to the life goals that you had set?	6.33	4.33	2.00*
2.	If you found your occupation rewarding and worthwhile?	8.42	7.27	1.15*
3.	If you repeatedly failed in what you tried?	7.26	6.55	.71
4.	If you were offered a fascinating job starting at $20,000 yearly?	7.27	6.66	.61
5.	If you had a poor teacher for a subject you were really interested in?	7.50	7.03	.47
6.	If someone advised you that, before electing a major, you should "know yourself" before deciding what you want in life?	5.61	5.16	.45
7.	If after studying for hours, you still failed a test?	7.36	7.11	.25
8.	If you knew that you were a disruptive influence in your class?	5.13	4.91	.22
9.	If you were failing a test?	7.18	7.03	.15
10.	If you were told that in order to be an efficient person in your field, you had to meet your goals?	6.06	5.92	.14
11.	If you were staying in college only to please your parents and friends because you did not want to disappoint them?	3.93	3.80	.13
12.	If you suddenly discovered that you had been deceived in what you thought you really wanted (i.e., you had been "brainwashed" by parents, teachers, etc.)?	6.75	6.62	.13

*Significant at the one per cent level of confidence.

Table 2 Continued

MEAN RELEVANCE VALUES AND DIFFERENCES OF EL CAMINO COLLEGE AND ST. CLOUD COLLEGE ARRANGED IN ORDER OF DIFFERENCES MOST RELEVANT TO EL CAMINO COLLEGE

	The question asks:	Mean Relevance Values		Difference
		El Camino	St. Cloud	
13.	If flunking a test did not bother you?	5.58	5.46	.12
14.	If failing terminated your desire to achieve?	6.44	6.32	.12
15.	If you could not understand a particular personal problem?	6.65	6.56	.09
16.	If you were caught cheating?	5.79	5.73	.06
17.	If you failed an important requirement necessary for your field, would you continue in this major?	7.00	7.00	.00
18.	If you were offered a substantial grant to do graduate work immediately following graduation?	6.69	6.69	.00
19.	If all that you believed in were suddenly "knocked" from under you?	7.19	7.21	- .02
20.	If you discovered that your main goal in life was easily attainable?	5.86	5.91	- .05
21.	If the expectations of your instructors are far greater than your efforts?	5.79	5.85	- .06
22.	If 3 out of 4 of your teachers said that you were a very efficient person?	6.71	6.81	- .10
23.	If your actual role as a professional person (after graduation) was not up to the expectations or standards in your field?	6.93	7.03	- .10
24.	If you could convince others to elect you to the student senate or to some other important college office?	4.15	4.32	- .17
25.	If your friends felt that you would never graduate from college?	4.29	4.55	- .26

*Significant at the one per cent level of confidence.

Table 2 Continued

MEAN RELEVANCE VALUES AND DIFFERENCES OF EL CAMINO COLLEGE AND ST. CLOUD COLLEGE ARRANGED IN ORDER OF DIFFERENCES MOST RELEVANT TO EL CAMINO COLLEGE

	The question asks:	Mean Relevance Values		Difference
		El Camino	St. Cloud	
26.	If your relatives look at you as a poor example of their ideals?	3.55	3.90	- .35
27.	If you could be understood by your instructor?	6.88	7.25	- .37
28.	If you got an A in an important subject without really trying?	6.04	6.42	- .38
29.	If you discovered you were in the wrong field of study?	6.58	7.00	- .42
30.	If after preparing for a certain position, you discover that they have reassigned you to a more responsible and challenging task?	6.78	7.25	- .47
31.	If you got the only A on a very difficult test?	7.68	8.23	- .55*
32.	If you were told that understanding and application of knowledge were more important than receiving good grades?	6.78	7.34	- .56
33.	If upon graduating with a B.S. degree in your profession, you were interested in another occupation?	5.76	6.33	- .57
34.	If, when you finish college, you feel ready and extremely confident to enter your chosen field?	7.61	8.26	- .65*
35.	If you discovered that someone had given you a very poor recommendation for your chosen profession?	6.85	7.51	- .66*
36.	If you could not make an athletic team because of low grades?	4.22	5.01	- .79*
37.	If your ideas and goals were accepted by your classmates with enthusiasm and excitement?	6.49	7.53	-1.04*

*Significant at the one per cent level of confidence.

Table 2 Continued

MEAN RELEVANCE VALUES AND DIFFERENCES OF EL CAMINO COLLEGE AND ST. CLOUD COLLEGE ARRANGED IN ORDER OF DIFFERENCES MOST RELEVANT TO EL CAMINO COLLEGE

	The question asks:	Mean Relevance Values		Difference
		El Camino	St. Cloud	
38.	If you told your parents that you took part in a peace demonstration to which they were opposed?	3.65	4.77	-1.12*
39.	If you had to work your way through college?	5.42	6.59	-1.17*
40.	If you were put into a position of helping people develop or set life-time goals?	5.95	7.29	-1.34*

*Significant at the one per cent level of confidence.

UNIT AND GRADE POINT CHARACTERISTICS OF STUDENTS GRADUATING FROM EL CAMINO COLLEGE ACCORDING TO MAJOR 1971

EL CAMINO COLLEGE

OIR 72-17

May 23, 1972

OFFICE OF RESEARCH

DR. JERRY C. GARLOCK

UNIT AND GRADE POINT CHARACTERISTICS OF STUDENTS GRADUATING FROM EL CAMINO COLLEGE ACCORDING TO MAJOR, 1971

Annually, Robert Poe of the Admissions Office, El Camino College, submits a report of some characteristics of students graduating from El Camino College. This report is used as the basis for and is found in the appendix of the present study.

The majors were ranked according to number of students graduating and are presented in graphical form as shown in Figure 1. Business Administration comprised 198 of the 1,534 graduates. The majors of English and History had 110 graduates each. All other majors had less than 100 graduates for 1971. Psychology had 89 graduates, Elementary Education 76, Sociology 71, and Police Science 55. Those majors having fewer than 50 graduates but ten or more were RN Nursing, Art, Secretarial, Physical Education, Mathematics, Electronics, Industrial Technology, Business Management, Engineering, Political Science, Business Data Processing, Drafting, Anthropology, Foreign Language, Speech Arts, Economics, Music, Industrial Arts, Early Childhood Teaching, Home Economics, Architecture, Marketing-Management, Accounting, Clerical, and Photography. Thus, 32 of the 90 majors, or approximately one-third, had ten or more students graduating; approximately two-thirds of the population had fewer than ten students graduating. Forty-three, or approximately one-half of the majors, had fewer than five graduates. Inasmuch as means are questionable for such a small number of cases, only data from those majors having five or more students graduating were presented in Figures 2 and 3.

Figure 2 indicates the average units accumulated by the students graduating from El Camino College in 1971 according to major. The highest major was that of RN Nursing with 90 units accumulated, on the average. Those majors whose graduates accumulated between 80 and 90 units were Pre-Forestry, Geography, and Electronics. The majority, or 27 of the 47 majors studied in Figure 2, accumulated from 70 to 79 units. The five majors accumulating the least number of units were Recreation, Clerical, Secretarial, Social Welfare Technology, and Construction Technology. In Figure 2 a dotted line is drawn vertically at 60 units to indicate the mythical value of the minimum 60 units necessary to graduate.

Figure 3 shows the grade point average of the various majors ordered according to rank. The highest grade point average of any of the graduates was Supervision with a 3.17 GPA. Foreign Language and Physical Therapy had the next highest grade point average of 2.91. Three other majors had grade point averages in excess of 2.75; these were Theatre Arts, Zoology, and Business Education. The grade point average of Geography majors was 2.27. Other grade point averages less than 2.50 included Economics, Photography, Marketing-Management, Clerical, Biology, Business Management, Air Conditioning and Refrigeration, Industrial Arts, Industrial Technology, Electronics, Pre-Forestry, and Business Administration. Vertical lines were drawn on Figure 3 to represent the lowest and highest grade point averages of the 47 majors studied.

FIGURE 1

NUMBER OF STUDENTS GRADUATING ACCORDING TO ALLEGED MAJORS

JUNE 1971

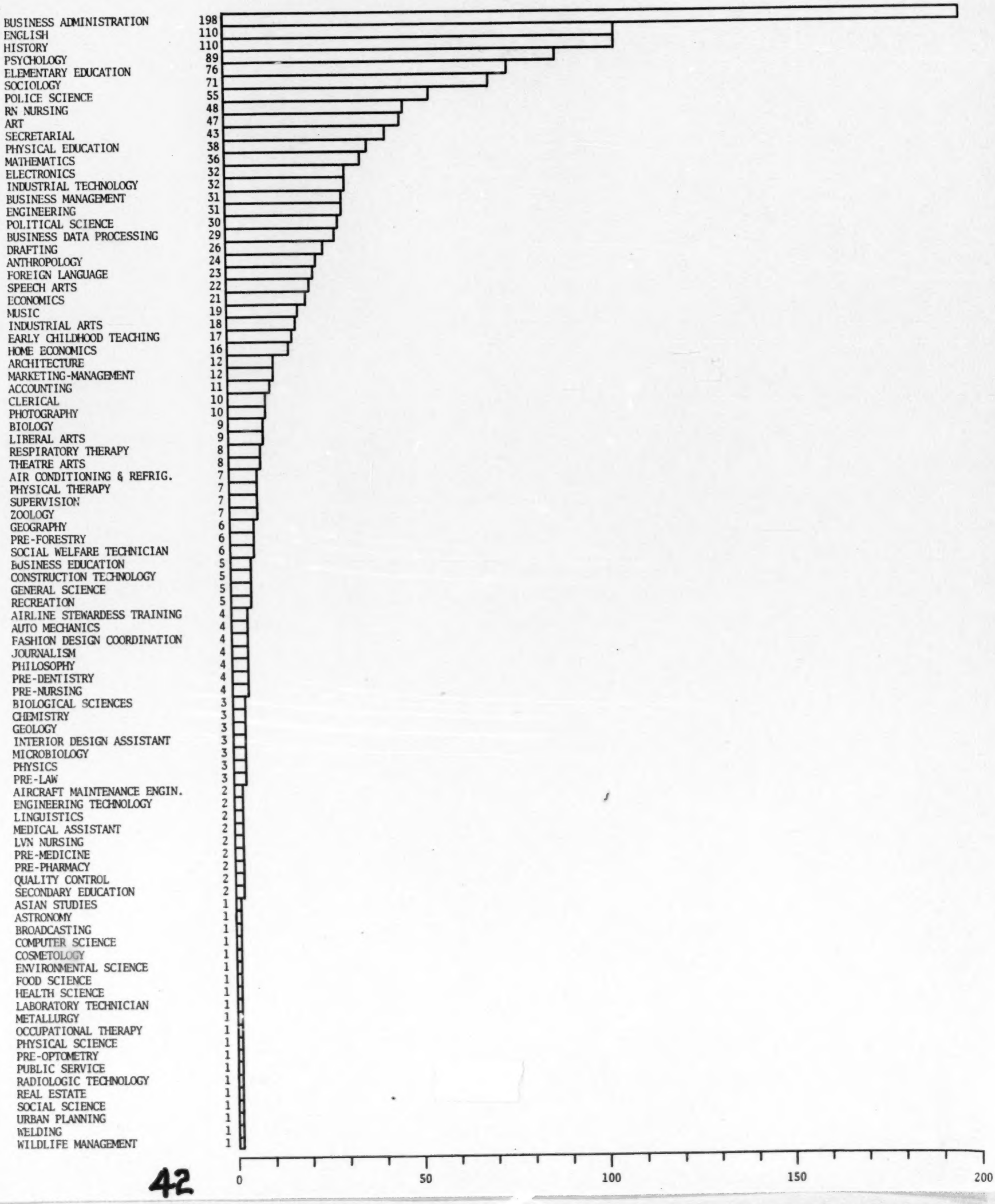


FIGURE 2

AVERAGE NUMBER OF UNITS ACCUMULATED BY GRADUATES FROM EL CAMINO COLLEGE ACCORDING TO ALLEGED MAJORS

1971

MAJOR	AVERAGE UNITS ACCUMULATED	NUMBER OF GRADUATES
RN Nursing	90	48
Pre-Forestry	86	6
Geography	81	6
Electronics	80	32
Mathematics	79	36
Photography	79	10
Zoology	79	7
Biology	78	9
Business Data Processing	78	29
Industrial Technology	78	32
Industrial Arts	77	18
Economics	76	21
Engineering	76	31
General Science	76	5
Respiratory Therapy	76	8
Air Conditioning & Ref.	75	7
Drafting	75	26
Supervision	75	7
Liberal Arts	74	9
Music	74	19
Business Management	73½	31
Business Administration	73	198
Business Education	73	5
Accounting	72	11
Physical Therapy	71½	7
Marketing-Management	71	12
Architecture	70	12
Art	70	47
Foreign Language	70	23
Police Science	70	55
Theatre Arts	70	8
Anthropology	69	24
Early Childhood Teaching	69	17
Home Economics	69	16
Sociology	69	71
Elementary Education	68	76
Physical Education	68	38
Political Science	68	30
Psychology	68	89
English	67	110
History	66	110
Speech Arts	66	22
Construction Technology	65	5
Social Welfare Tech.	65	6
Secretarial	64½	43
Clerical	62	10
Recreation	62	5

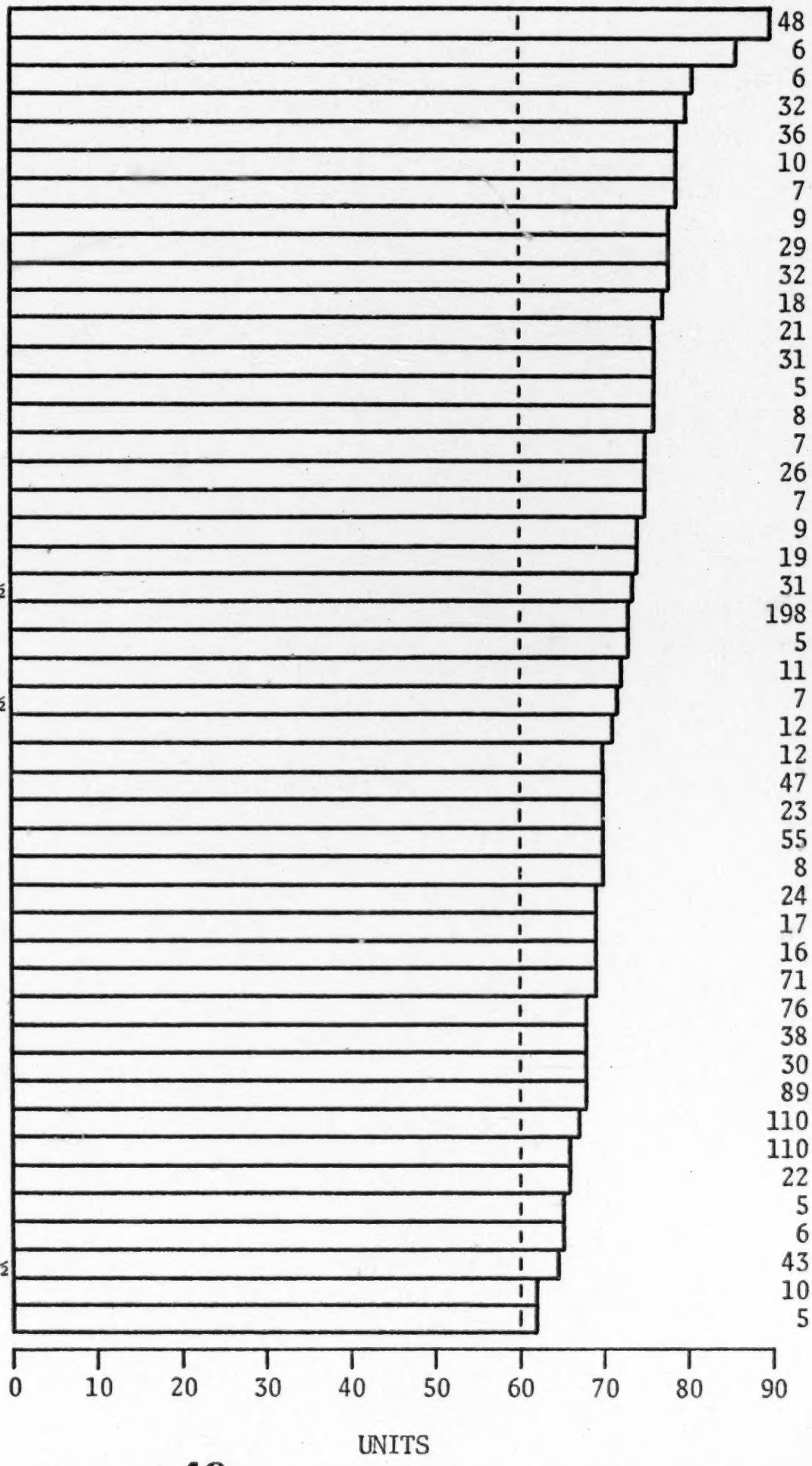
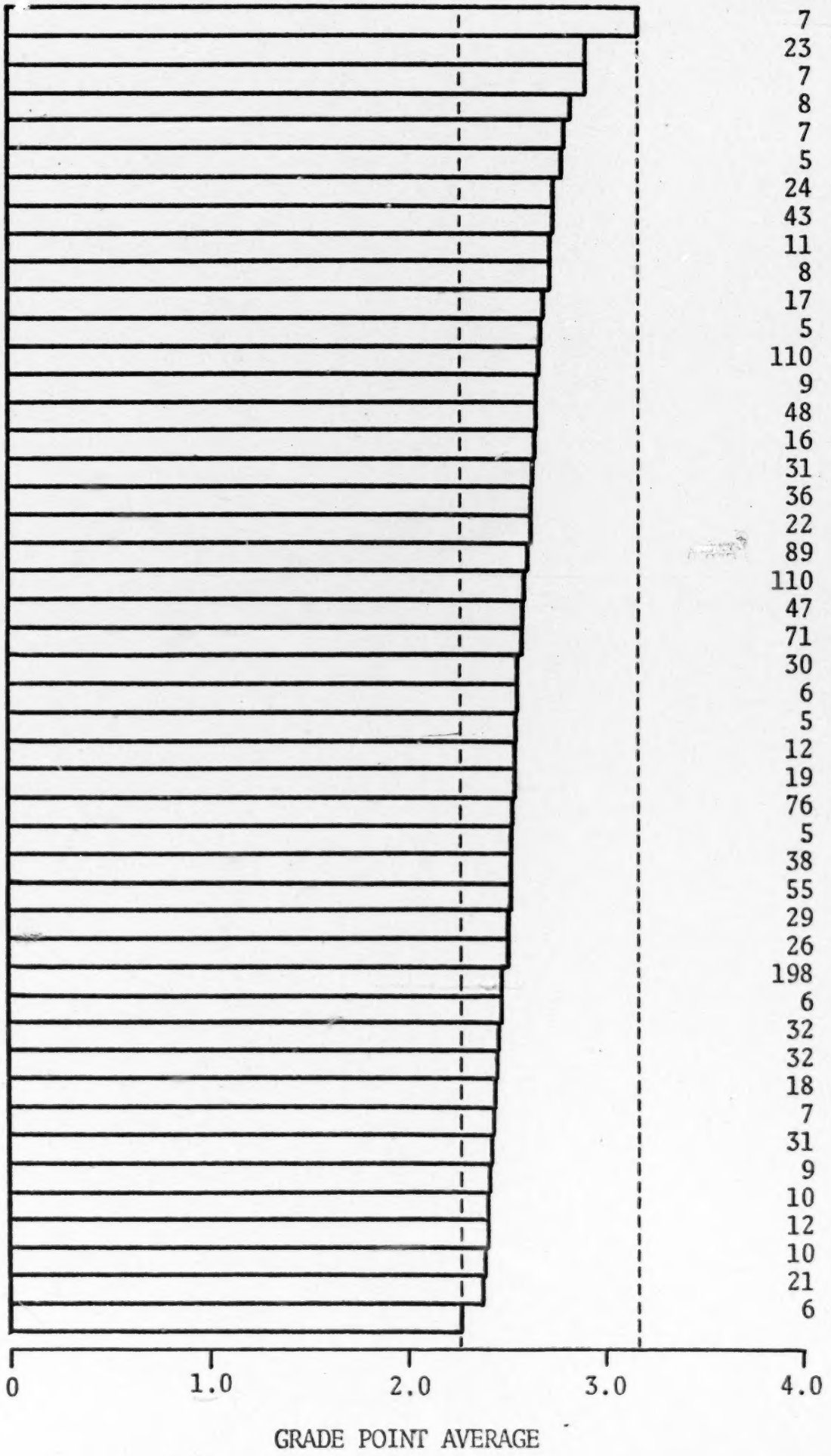


FIGURE 3

GRADE POINT AVERAGES ACCORDING TO VARIOUS ALLEGED MAJORS AT EL CAMINO COLLEGE

1971

MAJOR	AVERAGE GRADE POINT AVERAGE	NUMBER OF GRADUATES
Supervision	3.17	7
Foreign Language	2.91	23
Physical Therapy	2.91	7
Theatre Arts	2.83	8
Zoology	2.80	7
Business Education	2.79	5
Anthropology	2.74	24
Secretarial	2.74	43
Accounting	2.73	11
Respiratory Therapy	2.73	8
Early Childhood Teaching	2.70	17
General Science	2.68	5
English	2.67	110
Liberal Arts	2.66	9
RN Nursing	2.66	48
Home Economics	2.64	16
Engineering	2.63	31
Mathematics	2.62	36
Speech Arts	2.62	22
Psychology	2.61	89
History	2.60	110
Art	2.59	47
Sociology	2.59	71
Political Science	2.56	30
Social Welfare Tech.	2.56	6
Construction Technology	2.55	5
Architecture	2.54	12
Music	2.54	19
Elementary Education	2.53	76
Recreation	2.52	5
Physical Education	2.52	38
Police Science	2.52	55
Business Data Processing	2.51	29
Drafting	2.51	26
Business Administration	2.48	198
Pre-Forestry	2.48	6
Electronics	2.46	32
Industrial Technology	2.45	32
Industrial Arts	2.44	18
Air Conditioning & Ref.	2.43	7
Business Management	2.42	31
Biology	2.41	9
Clerical	2.40	10
Marketing-Management	2.40	12
Photography	2.39	10
Economics	2.38	21
Geography	2.27	6



APPENDIX

MAJOR INDICATED	TOTAL NO. OF GRADS	RANGE OF UNITS ACCUMULATED	TOTAL UNITS ACCUMULATED	AVERAGE NO. OF UNITS ACCUMULATED	AVERAGE G.P.A.
Accounting	11	64 - 88½	793	72	2.73
Air Conditioning & Refrig.	7	62 - 89	525½	75	2.43
Aircraft Maintenance Engin.	2	90 -123½	213½	106	2.65
Airline Stewardess Training	4	60 - 64½	251½	63	2.28
Anthropology	24	60½- 80½	1647 1/3	69	2.74
Architecture	12	60 - 79	840	70	2.54
Art	47	60 -161	3304 2/3	70	2.59
Asian Studies	1	- 64	64	64	2.35
Astronomy	1	- 74	74	74	3.13
Auto Mechanics	4	71½- 97½	341½	85	2.67
Biological Science	3	65 - 73	209	69	2.73
Biology	9	63½-100½	708	78	2.41
Broadcasting	1	- 60½	60½	60½	2.23
Business Administration	198	60 -144½	14610	73	2.48
Business Data Processing	29	60 -140	2266 2/3	78	2.51
Business Education	5	67 - 85	368½	73	2.79
Business Management	31	60 - 92	2278½	73½	2.42
Chemistry	3	62 -100½	237½	79	2.28
Clerical	10	60 - 76½	629½	62	2.40
Computer Science	1	- 71	71	71	2.60
Construction Technology	5	61 - 69	329	65	2.55
Cosmetology	1	- 68	68	68	3.07
Drafting	26	60½-109½	1972½	75	2.51
Early Childhood Teaching	17	60 - 85	1179	69	2.70
Economics	21	60 -111	1597	76	2.38
Electronics	32	60 -112	2579 1/3	80	2.46
Elementary Education	76	60 -117½	5173 1/3	68	2.53
Engineering	31	61 -111	2376½	76	2.63

APPENDIX

MAJOR INDICATED	TOTAL NO. OF GRADS	RANGE OF UNITS ACCUMULATED	TOTAL UNITS ACCUMULATED	AVERAGE NO. OF UNITS ACCUMULATED	AVERAGE G.P.A.
Engineering Technology	2	70 - 70½	140½	70	2.79
English	110	60 -100	7476 1/3	67	2.67
Environmental Science	1	- 81	81	81	2.85
Fashion Design Coordination	4	61 - 69½	258	64½	2.80
Food Science	1	-156	156	156	2.11
Foreign Language	23	60 - 92	1616 1/3	70	2.91
General Science	5	66½- 86½	380½	76	2.68
Geography	6	60½-107½	491	81	2.27
Geology	3	62 - 82½	222	74	2.32
Health Science	1	- 68½	68½	68½	2.81
History	110	60 - 87½	7367½	66	2.60
Home Economics	16	60 - 90	1118½	69	2.64
Industrial Arts	18	60 -143	1389	77	2.44
Industrial Technology	32	61 -120	2503	78	2.45
Interior Design Assistant	3	63½- 75	202	67	2.96
Journalism	4	62 - 69	262	65½	3.16
Laboratory Technician	1	- 71	71	71	2.28
Liberal Arts	9	62½-106	673	74	2.66
Linguistics	2	61 - 64	125	62½	2.55
Marketing-Management	12	60 - 87½	856	71	2.40
Mathematics	36	60 -123	2870	79	2.62
Medical Assistant	2	76½- 78	154½	77	2.46
Metallurgy	1	- 75½	75½	75½	3.25
Microbiology	3	66 - 97	230	76	2.58
Music	19	61 -100	1407	74	2.54
LVN Nursing	2	74 - 97	171	85½	2.88
RN Nursing	48	70 -194	4349½	90	2.66
Occupational Therapy	1	- 63	63	63	2.07

APPENDIX

MAJOR INDICATED	TOTAL NO. OF GRADS	RANGE OF UNITS ACCUMULATED	TOTAL UNITS ACCUMULATED	AVERAGE NO. OF UNITS ACCUMULATED	AVERAGE G.P.A.
Philosophy	4	66 - 67½	266½	66	2.59
Photography	10	60 -125	796	79	2.32
Physical Education	38	60 -123	2601	68	2.52
Physical Science	1	- 86	86	86	2.06
Physical Therapy	7	60 - 90½	500½	71½	2.91
Physics	3	85 - 90½	261½	87	2.89
Police Science	55	60 -108½	3851	70	2.52
Political Science	30	60 - 98	2049	68	2.56
Pre-Dentistry	4	61 - 92½	303½	75	2.40
Pre-Forestry	6	63 -110	518	86	2.48
Pre-Law	3	69 - 71	210	70	2.95
Pre-Medicine	2	72 - 96½	168½	84	2.61
Pre-Nursing	4	62 - 71½	268	67	2.55
Pre-Optometry	1	- 65	65	65	2.06
Pre-Pharmacy	2	70 - 80	150	75	2.13
Psychology	89	60 -101	6108	68	2.61
Public Service	1	- 65	65	65	2.37
Quality Control	2	62 - 68	130	65	2.52
Radiologic Technology	1	- 72	72	72	2.25
Real Estate	1	60 -	60	60	2.75
Recreation	5	60½- 64½	311 2/3	62	2.52
Respiratory Therapy	8	63 - 93	611	76	2.73
Secondary Education	2	62 -134	196	98	2.64
Secretarial	43	60 - 83	2774	64½	2.74
Social Science	1	- 86	86	86	2.10
Social Welfare Technician	6	60 - 75	394 1/3	65	2.56
Sociology	71	60 -117	4917½	69	2.59
Speech Arts	22	60 - 83	1462½	66	2.62

APPENDIX

MAJOR INDICATED	TOTAL NO. OF GRADS	RANGE OF UNITS ACCUMULATED	TOTAL UNITS ACCUMULATED	AVERAGE NO. OF UNITS ACCUMULATED	AVERAGE G.P.A.
Supervision	7	61 -126½	526½	75	3.17
Theatre Arts	8	60½- 98 2/3	566	70	2.83
Urban Planning	1	-115	115	115	2.21
Welding	1	- 62	62	62	2.70
Wildlife Management	1	- 70	70	70	2.07
Zoology	7	64 -111½	553½	79	2.80